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Rough Country 8749030

Rough Country N3 Dual Steering Stabilizer Instruction Manual

Model: 8749030 | For 1999-2004 Ford Super Duty 4WD

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Rough Country N3 Dual Steering Stabilizer. This product is designed to enhance the steering performance and longevity of your 1999-2004 Ford Super Duty 4WD vehicle.

Steering stabilizers are engineered to mitigate "bump steering" and front-end vibrations, thereby extending the lifespan of tires, ball joints, and other critical steering components. The N3 Dual Steering Stabilizer features a durable 18mm chrome-hardened piston rod and a large-bodied cylinder, surpassing factory equipment in effective vibration damping.



Image 1.1: Rough Country N3 Dual Steering Stabilizer installed on a vehicle.

2. PRODUCT FEATURES AND BENEFITS

- **Enhanced Control:** Improves steering control and handling, especially on rough terrain or with larger tires.
- **Vibration Reduction:** Significantly reduces "bump steer" and front-end vibrations, providing a smoother driving experience.
- **Component Longevity:** Extends the life of tires, ball joints, and other steering components by minimizing stress from road imperfections.
- **Durable Construction:** Features an 18mm chrome-hardened piston rod and a large-diameter cylinder for superior strength and effective damping.
- **Easy Installation:** Designed for a 100% bolt-on installation process, requiring no complex modifications.

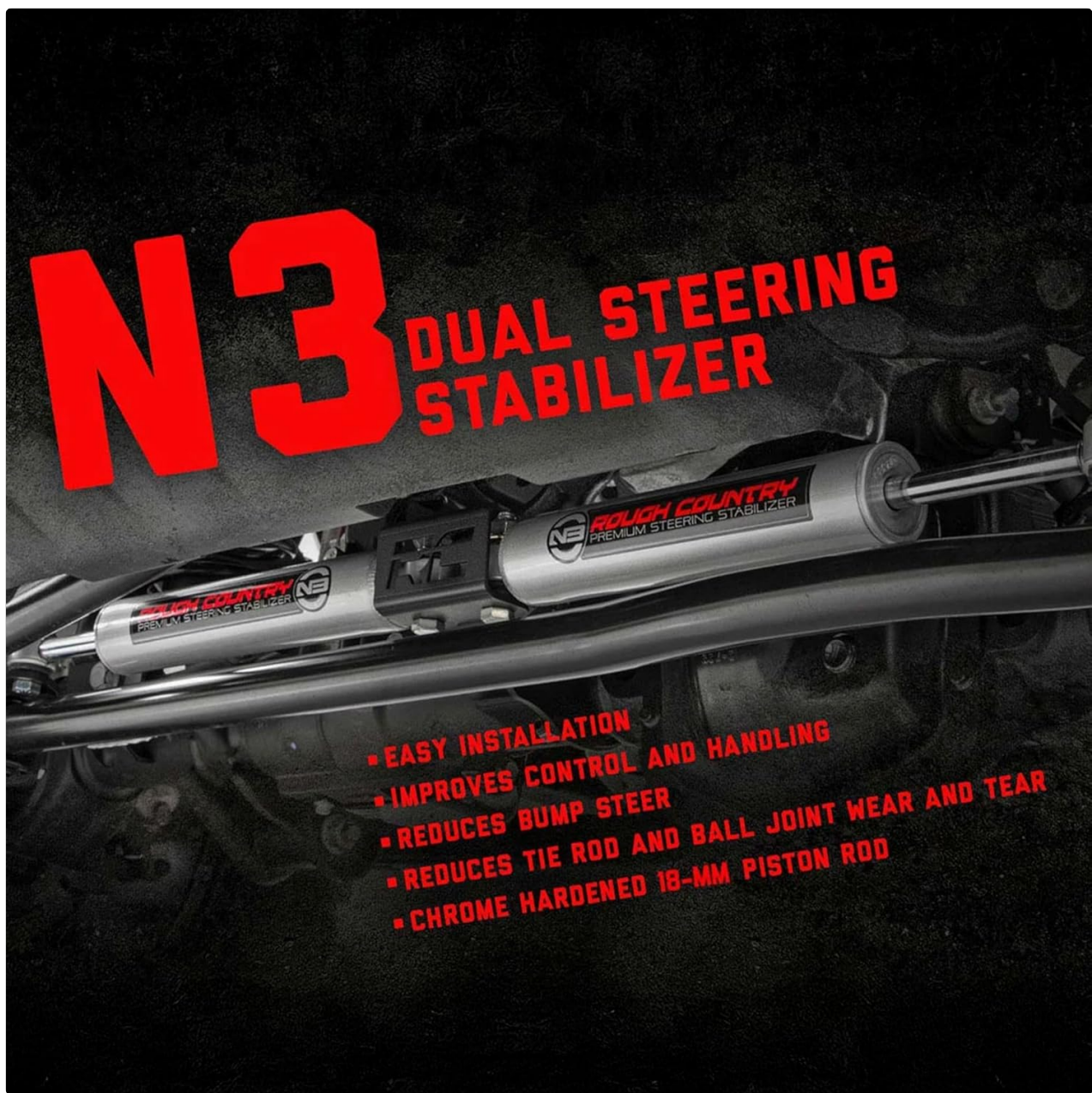


Image 2.1: Key features of the N3 Dual Steering Stabilizer.



STEERING SYSTEM PROTECTION

Reduces Wear & Tear on
Tie Rods, Ball Joints, and Tires

Image 2.2: Steering system protection provided by the stabilizer.

3. WHAT'S IN THE BOX

Your Rough Country N3 Dual Steering Stabilizer kit includes the following components:

- (1) N3 Dual Steering Stabilizer Assembly
- Mounting Hardware (brackets, bolts, nuts, washers)

EASY INSTALLATION

No Drilling or Cutting

No Modifications Required



DUAL STEERING STABILIZER

Complete Bolt-On Kit Includes
(2) Big Bore Stabilizers, Brackets & Hardware

Image 3.1: Contents of the N3 Dual Steering Stabilizer kit.

4. SAFETY INFORMATION

WARNING:

It is the buyer's responsibility to ensure all bolts and nuts are checked for tightness after the first 500 miles of operation, and subsequently every 1,000 miles. Regular inspection of the wheel alignment, steering system, suspension, and driveline systems by a qualified, professional mechanic is required at least every 3,000 miles to ensure safe operation.

5. INSTALLATION GUIDE

The Rough Country N3 Dual Steering Stabilizer is designed for a straightforward, 100% bolt-on installation. No drilling or cutting is required for most applications. Basic hand tools and common garage equipment are sufficient for installation.

5.1 Pre-Installation Steps

1. Park the vehicle on a level surface and engage the parking brake.
2. Safely lift the front of the vehicle using a jack and support it with jack stands.
3. Remove the front wheels for better access, if necessary.
4. Identify the factory steering stabilizer mounting points.

5.2 Mounting the Stabilizer

1. Attach the main mounting bracket to the vehicle's frame or axle, as per the detailed instructions provided in the kit. Ensure all bolts are finger-tight.
2. Mount the two N3 stabilizer shocks to the main bracket and the tie rod using the supplied hardware.
3. Ensure the shocks are positioned correctly and have adequate clearance from other suspension components.
4. Once all components are in place, tighten all bolts to the manufacturer's specified torque settings. Refer to the detailed instruction sheet included with your kit for specific torque values.



Image 5.1: Dual Steering Stabilizer installed on the front axle.

5.3 Post-Installation

1. Reinstall the front wheels and lower the vehicle.
2. Perform a test drive to ensure proper function and check for any unusual noises or handling characteristics.
3. Re-check all fasteners after the first 500 miles of driving.

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Video 5.2: Overview of Rough Country Steering Stabilizers, demonstrating installation and benefits.

6. OPERATING CONSIDERATIONS

The N3 Dual Steering Stabilizer works by dampening unwanted steering wheel feedback caused by larger tires and road imperfections. While it significantly improves stability and control, it is important to understand its operational characteristics:

- **Improved Road Feel:** Expect a more stable and controlled steering feel, especially at higher speeds or on uneven surfaces.
- **Reduced Steering Wheel Play:** The dual stabilizer system helps to minimize excessive play in the steering wheel.
- **Potential for Reduced Self-Centering:** Some users may notice a slight reduction in the steering wheel's natural tendency to return to center after a turn. This is a common characteristic of dual steering stabilizer systems and is generally adapted to quickly.



Image 6.1: The stabilizer minimizes bump steer for smoother response.

7. MAINTENANCE

To ensure optimal performance and longevity of your N3 Dual Steering Stabilizer, adhere to the following maintenance guidelines:

- **Regular Fastener Checks:** As stated in the safety information, regularly check and tighten all mounting bolts and nuts.
- **Visual Inspection:** Periodically inspect the stabilizer shocks and mounting brackets for any signs of damage, wear, or corrosion.
- **Cleanliness:** Keep the stabilizer components clean from excessive dirt, mud, and debris, especially after off-road use.

8. TROUBLESHOOTING

If you experience any issues with your N3 Dual Steering Stabilizer, consider the following general troubleshooting steps:

- **Excessive Vibration/Loose Steering:** Re-check all mounting hardware for proper tightness. Inspect the shocks for any signs of leakage or damage. Ensure the stabilizer is correctly aligned.
- **Unusual Noises:** Inspect all contact points for rubbing or interference. Ensure bushings are intact and properly seated.
- **Professional Consultation:** For persistent or complex issues, it is recommended to consult a qualified automotive professional specializing in suspension and steering systems.

9. SPECIFICATIONS

Specification	Detail
Brand	Rough Country
Model Number	8749030
Auto Part Position	Front Outer
Vehicle Service Type	2000-2005 4WD Ford Excursion, 1999-2004 Ford F-250/F-350 Super Duty
Exterior Finish	Painted
Material	Aluminum
Item Weight	17.92 pounds
Product Dimensions	25.5 x 5.75 x 6 inches
Special Features	Fits with 2-8" Lift Kits
Construction	Drilling Required: No

10. WARRANTY AND SUPPORT

The Rough Country N3 Dual Steering Stabilizer is backed by Rough Country's Limited Lifetime Replacement Warranty. For specific warranty details, claims, or technical support, please refer to the official Rough Country website or contact their customer service directly.

11. LEGAL DISCLAIMER

It is ultimately the buyer's responsibility to have all bolts/nuts checked for tightness after the first 500 miles, and then again every 1,000 miles. Wheel alignment, steering system, suspension, and driveline systems must be inspected by a qualified, professional mechanic at least every 3,000 miles.