

## Rough Country 28330

# Rough Country 1.5-2 Inch Leveling Lift Kit (Model 28330) Instruction Manual

For 1999-2006 Chevrolet Silverado 1500 and GMC Sierra 1500

## 1. INTRODUCTION

This manual provides instructions for the Rough Country 1.5-2 inch Leveling Lift Kit, Model 28330. This kit is designed to adjust the vehicle's stance and accommodate larger tires. It is compatible with 1999-2006 Chevrolet Silverado 1500 and GMC Sierra 1500 trucks. This kit also fits 2007 "Classic" models but does NOT fit HD models or 1999 Classic (old body style) models.

The kit includes components to raise the front of the vehicle by 1.5 to 2.5 inches and the rear by 3 inches, allowing for up to 32-inch tires with factory backspacing.

## 2. SAFETY INFORMATION

It is the installer'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 recommended at least every 3,000 miles.

Always use appropriate safety gear and follow all local safety regulations during installation and maintenance. If you are not confident in performing the installation, seek assistance from a certified professional.

## 3. SETUP AND INSTALLATION

The Rough Country 1.5-2 inch Leveling Lift Kit features a 100% bolt-on installation process. While designed for ease of installation, professional assistance is recommended for optimal results and safety.

### 3.1 Kit Components

The kit includes the following components:

- (4) Premium N3 Shocks
- Front Forged Torsion Bar with Adjuster Keys

- Rear 3 inch Lift Blocks
- U-Bolts
- Mounting Hardware



Figure 3.1: All components included in the Rough Country 1.5-2 inch Leveling Lift Kit.

### 3.2 Key Installation Steps (Overview)

1. **Front Lift:** Install the forged torsion keys. These keys allow for fine-tuning of the torsion bar to achieve the desired front lift, ranging from 1.5 to 2.5 inches. The forged construction provides enhanced strength compared to cast iron alternatives.
2. **Rear Lift:** Install the 3-inch rear lift blocks and shock spacers. These components work together to raise the rear of the vehicle and ensure proper shock function with the increased ride height.
3. **Shock Installation:** Replace existing shocks with the included Premium N3 Shocks, designed to accommodate the new lift height and maintain ride quality.
4. **Hardware:** Secure all components using the provided mounting hardware and U-bolts. Ensure all fasteners are torqued to manufacturer specifications.

After installation, a wheel alignment is required to ensure proper vehicle handling and tire wear.

### 3.3 Visual Installation Guide

For a visual overview of the installation process and the resulting vehicle appearance, please refer to the video below.

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Video 3.1: Overview of the Rough Country 1.5-2 inch Suspension Leveling Lift Kit (Model 28330) and its effects on a GMC Sierra 1500.

### 3.4 Vehicle Appearance After Lift



Figure 3.2: A Chevrolet Silverado 1500 after installation of the leveling lift kit, showcasing the increased ride height.



Figure 3.3: A GMC Sierra 1500 after installation of the leveling lift kit, demonstrating the leveled stance.

## 4. OPERATING CONSIDERATIONS

After installing the leveling lift kit, the vehicle's center of gravity may be altered. Drivers should be aware of potential changes in handling characteristics, especially during cornering and braking. Always drive cautiously.

and familiarize yourself with the vehicle's new dynamics.

The kit allows for the use of tires up to 32 inches in diameter with factory backspacing. Ensure that any new tires and wheels are properly balanced and aligned to prevent premature wear and maintain safe operation.

## 5. MAINTENANCE

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Regular maintenance is crucial for the longevity and safe operation of your vehicle after installing the lift kit. Adhere to the following maintenance schedule:

- **Initial Inspection (500 miles):** Re-check the tightness of all bolts and nuts installed with the lift kit.
- **Routine Inspection (Every 1,000 miles):** Periodically check all bolts and nuts for tightness.
- **Professional Inspection (Every 3,000 miles):** Have a qualified mechanic inspect the wheel alignment, steering system, suspension, and driveline systems.
- **Component Check:** Regularly inspect shocks, torsion keys, and lift blocks for any signs of wear, damage, or corrosion.

## 6. TROUBLESHOOTING

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This section addresses common issues that may arise after installing the leveling lift kit.

- **Vehicle Pulling to One Side:** This often indicates an alignment issue. A professional wheel alignment is critical after installation to correct toe-out conditions and ensure proper tracking.
- **Stiffer Ride:** The Premium N3 Shocks are designed for performance on and off-road. Some users may perceive a slightly firmer ride compared to factory suspension. This is generally normal for performance-oriented shocks.
- **Unusual Noises:** Check all mounting points for proper torque. Ensure no components are rubbing against each other or the vehicle frame. If torsion keys were difficult to remove during installation, ensure their replacements are seated correctly.
- **Uneven Stance:** Verify that the torsion keys have been adjusted correctly to achieve the desired front lift. The adjustable range allows for precise leveling.

If issues persist, consult a professional mechanic or contact Rough Country customer support.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	Rough Country
Model Number	28330
Maximum Lifting Height	Front: 1.5-2.5 Inches (Adjustable), Rear: 3 Inches
Included Components	(4) Premium N3 Shocks, Front Forged Torsion Bar with Adjuster Keys, Rear 3" Lift Blocks, U-Bolts, Mounting Hardware
Material	Alloy Steel, Cast Iron, Rubber, Zinc

Item Weight	41.9 pounds
Product Dimensions	24.75 x 13.5 x 6.75 inches
Automotive Fit Type	Vehicle Specific Fit (1999-2006 Chevy/GMC 1500, 2007 "Classic" models)
UPC	616983565865, 843030109950

## 8. WARRANTY AND SUPPORT

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The Rough Country 1.5-2 inch Leveling Lift Kit is backed by Rough Country's Limited Lifetime Replacement Warranty. For specific warranty details or to initiate a warranty claim, please refer to the official Rough Country website or contact their customer service department.

For technical assistance, installation questions, or any other support needs, please contact Rough Country directly through their official channels.