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› Rough Country 1.5 Inch Leveling Kit (Model 50108) for 1998-2011 Ford Ranger 4WD Instruction Manual

Rough Country 50108

Rough Country 1.5 Inch Leveling Kit (Model 50108) for 1998-2011 Ford Ranger 4WD Instruction Manual

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1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Rough Country 1.5 Inch Leveling Kit, Model 50108, designed for 1998-2011 Ford Ranger 4WD vehicles. This kit is engineered to level the front of your truck with the rear, allowing for increased ground clearance and the accommodation of larger tires.

2. SAFETY INFORMATION

Rough Country recommends that a certified technician install lift systems. Knowledge of Rough Country instructions, suspension procedures, and post-installation checks are required. If a system is installed without proper knowledge and expertise, it may impact the integrity and operating safety of the vehicle.

Legal Disclaimer

It is ultimately the buyer's responsibility to have all bolts and 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.

3. PRODUCT COMPONENTS

The Rough Country 1.5 Inch Leveling Kit (Model 50108) includes the following components:

- (2) Forged Torsion Bar Adjuster Keys

- (2) Shock Extension Sleeves



Image 1: Included components of the Rough Country 1.5 Inch Leveling Kit. This image displays the two forged torsion bar adjuster keys and two shock extension sleeves.

4. SETUP & INSTALLATION

Installation of the Rough Country 1.5 Inch Leveling Kit involves replacing the factory torsion keys with the provided forged torsion bar adjuster keys and installing shock extension sleeves. While the installation process is designed to be straightforward, professional installation is highly recommended due to the specialized tools and safety considerations involved with suspension components.

4.1. Pre-Installation Checks

- Verify vehicle compatibility: This kit is specifically for 1998-2011 Ford Ranger 4WD models.
- Ensure all components listed in Section 3 are present.
- Gather necessary tools, including a specialized torsion key removal/installation tool. These tools can often be rented from automotive stores.
- Review the entire instruction manual before beginning installation.

4.2. Installation Procedure Overview

1. Safely lift and support the front of the vehicle according to standard automotive safety practices.
2. Relieve tension from the factory torsion bars using a torsion key tool.
3. Remove the factory torsion keys.
4. Install the new Rough Country forged torsion bar adjuster keys.
5. Re-tension the torsion bars to achieve the desired lift, ensuring proper alignment and ride height.
6. Install the shock extension sleeves to accommodate the increased ride height and retain factory shocks.

7. Lower the vehicle and perform initial checks.

Note: Detailed step-by-step instructions are typically provided with the physical product. Always refer to those specific instructions for precise installation steps.



Image 2: A Ford Ranger 4WD after installation of the 1.5 Inch Leveling Kit, showcasing the leveled stance and enhanced ground clearance.



Image 3: Rear view of the Ford Ranger 4WD with the leveling kit, demonstrating the improved aesthetic and functional balance.

5. OPERATION

Once installed, the Rough Country 1.5 Inch Leveling Kit provides a leveled stance for your Ford Ranger 4WD, aligning the front of the vehicle with the rear. This modification increases front-end ground clearance, which can be beneficial for off-road driving and navigating obstacles. Additionally, the leveled stance often allows for the installation of larger diameter tires, enhancing both appearance and off-road capability.

The forged torsion keys are designed for durability and strength, ensuring reliable performance under various driving conditions.

6. MAINTENANCE

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

- **Initial Check (500 miles):** After the first 500 miles of driving, re-check the tightness of all bolts and nuts associated with the suspension system.
- **Routine Checks (Every 1,000 miles):** Continue to check the tightness of all suspension-related bolts and nuts every 1,000 miles.
- **Professional Inspection (Every 3,000 miles):** Have a qualified, professional mechanic inspect the wheel alignment, steering system, suspension, and driveline systems at least every 3,000 miles.

These checks help prevent loosening of components due to vehicle vibration and stress, ensuring continued safety and performance.

7. TROUBLESHOOTING

While the Rough Country 1.5 Inch Leveling Kit is designed for specific Ford Ranger models, some issues may arise. Here are common concerns and general troubleshooting advice:

7.1. Incorrect Lift Height

- **Issue:** Vehicle does not achieve the expected 1.5 inches of lift, or appears uneven.
- **Solution:** Ensure the torsion bars were properly re-tensioned and adjusted during installation. Allow for a settling period (e.g., driving a few miles) as the suspension components adjust. If issues persist, consult a professional mechanic to verify installation and adjustment.

7.2. Rough Ride Quality

- **Issue:** The vehicle's ride feels significantly stiffer or rougher after installation.
- **Solution:** Over-tensioning torsion bars can lead to a harsh ride. Re-evaluate the torsion bar adjustment. Ensure shock extension sleeves are correctly installed, allowing the factory shocks to function within their intended range. Professional assessment of suspension angles and component stress is recommended.

7.3. Fitment Issues

- **Issue:** Components do not seem to fit the vehicle as expected.
- **Solution:** Double-check that your vehicle is a 1998-2011 Ford Ranger 4WD. Some Ranger models (e.g., 2WD or specific sub-models) may have different suspension setups. Verify the part number (50108) matches your purchase. If discrepancies exist, contact Rough Country customer support.

For any persistent or complex issues, it is always best to consult with a certified automotive technician or contact Rough Country customer support directly.

8. SPECIFICATIONS

Brand	Rough Country
Model Number	50108
Maximum Lifting Height	1.5 Inches
Material	Alloy Steel
Included Components	(2) Forged Torsion Bar Adjuster Keys, (2) Shock Extension Sleeves
Vehicle Fit Type	Vehicle Specific Fit (1998-2011 Ford Ranger 4WD)
Item Weight	5.25 pounds
Product Dimensions	13 x 4.25 x 2.5 inches
UPC	843030110369

9. WARRANTY INFORMATION

The Rough Country 1.5 Inch Leveling Kit (Model 50108) is backed by Rough Country's Limited Lifetime Replacement Warranty. For detailed terms and conditions of the warranty, please refer to the official Rough Country website or contact their customer support.

10. CUSTOMER SUPPORT

For technical assistance, installation questions, or warranty claims, please contact Rough Country customer support directly. You can typically find their contact information on their official website or through the retailer where the product was purchased.

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This manual is for informational purposes only. Always prioritize safety and professional guidance.

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