

Lowriders Installation and Operation Manual

Lowriders Torsion Bar Adjuster Key Kit

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Introduction

Welcome to the Lowriders family! Our Torsion Bar Adjuster Key Kit is designed for 6-lug and 8-lug 2WD/4WD Trucks and SUVs. Built for durability and ease of installation, this kit will help you achieve the ideal ride height with precision and performance. Read through this manual before starting your installation.

Features

- Forged construction for unmatched strength.
 - Easy bolt-on installation.
 - Ideal for leveling and lift applications.
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Safety Information

Your safety is our priority. Please follow these guidelines carefully:

General Safety

- Always wear safety glasses when working with tools.
- Work in a clean, well-lit area.
- Ensure your vehicle is properly supported before beginning work.

Warnings

- Do not attempt installation without a torsion bar unloading tool.
 - Avoid modifying any kit components.
 - Improper installation may result in vehicle damage or injury.
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Unboxing and Components

Inspect your package upon arrival to ensure all parts are included. For missing or damaged parts, contact Lowriders support immediately.

Kit Contents

- (2) Torsion Bar Keys
 - (2) Adjuster Nuts
 - (2) Adjuster Bolts
 - Instruction Manual
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Installation Guide

Follow these steps to install your Lowriders Torsion Bar Adjuster Key Kit:

Tools Required

- Torsion bar unloading tool
- Socket and wrench set
- Jack and jack stands

Steps

1. Lift the Vehicle

- Use a hoist or jack up the front end of the vehicle.
- Secure with jack stands. Never work under an unsupported vehicle.

2. Unload Torsion Bars

- Remove the torsion bar adjuster screw.
- Using a torsion bar unloading tool, release the tension on the torsion bar and remove the adjuster nut.

3. Remove Old Keys

- Note the orientation of the OEM torsion keys.
- Slide the torsion bar forward into the lower control arm to free the keys. Use a hammer if necessary.

4. Install New Keys

- Position the Lowriders torsion keys in a similar orientation as the original keys.
- The hex hole design may differ slightly; align accordingly.

5. Reassemble Components

- Use the torsion bar unloading tool to load the new key.
- Reinstall the adjuster nut and screw, then remove the unloading tool.

6. Set Ride Height

- Tighten the adjuster bolt while the vehicle is off the ground.
- Lower the vehicle and measure the ride height. Adjust as needed for a level stance.

7. Alignment and Final Checks

- Check clearance through the full steering cycle.
 - Adjust headlights and have the vehicle professionally aligned.
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5. Product Operation

Adjusting Ride Height

- Use the adjuster bolts to fine-tune ride height.
 - Maintain at least 3 inches of suspension droop for optimal ride quality.
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6. Maintenance and Care

Regular Checks

- Inspect components for wear or damage every 6 months.
- Re-torque bolts to manufacturer specifications.

Cleaning

- Clean components with a damp cloth and mild detergent.
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7. Troubleshooting

Issue	Possible Cause	Solution
Ride too stiff	Excessive preload	Back out adjuster bolts
Uneven ride height	Uneven adjustment	Re-level using adjuster bolts
Noise during operation	Loose components	Inspect and tighten as needed

8. Warranty and Support

Warranty Information

Lowriders offers a limited lifetime warranty against manufacturing defects for the original purchaser. Misuse, improper installation, or modifications void the warranty.

Contact Us

- **Phone:** 1-800-606-3767
 - **Email:** support@lowriders.com
 - **Website:** www.lowriders.com
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Thank you for choosing Lowriders. Enjoy your enhanced ride and style!