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> maXpeedingrods 2-Inch Rear Lowering Springs Installation Manual for Dodge Ram 1500 (2009-2018) and Ram 1500 Classic (2019-2024)

maXpeedingrods TZ66LN

maXpeedingrods 2-Inch Rear Lowering Springs Instruction Manual

Model: TZ66LN

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your maXpeedingrods 2-inch Rear Lowering Springs. These springs are designed to lower the rear of your vehicle by 2 inches, enhancing both its aesthetic appeal and handling characteristics. Please read this manual thoroughly before beginning installation to ensure proper procedure and safety.

2. SAFETY INFORMATION

Automotive suspension work requires specialized tools and knowledge. Improper installation can lead to serious injury or vehicle damage. It is highly recommended that installation be performed by a qualified professional. If you choose to install these springs yourself, ensure you have the necessary tools, follow all safety precautions, and consult a service manual for your specific vehicle model.

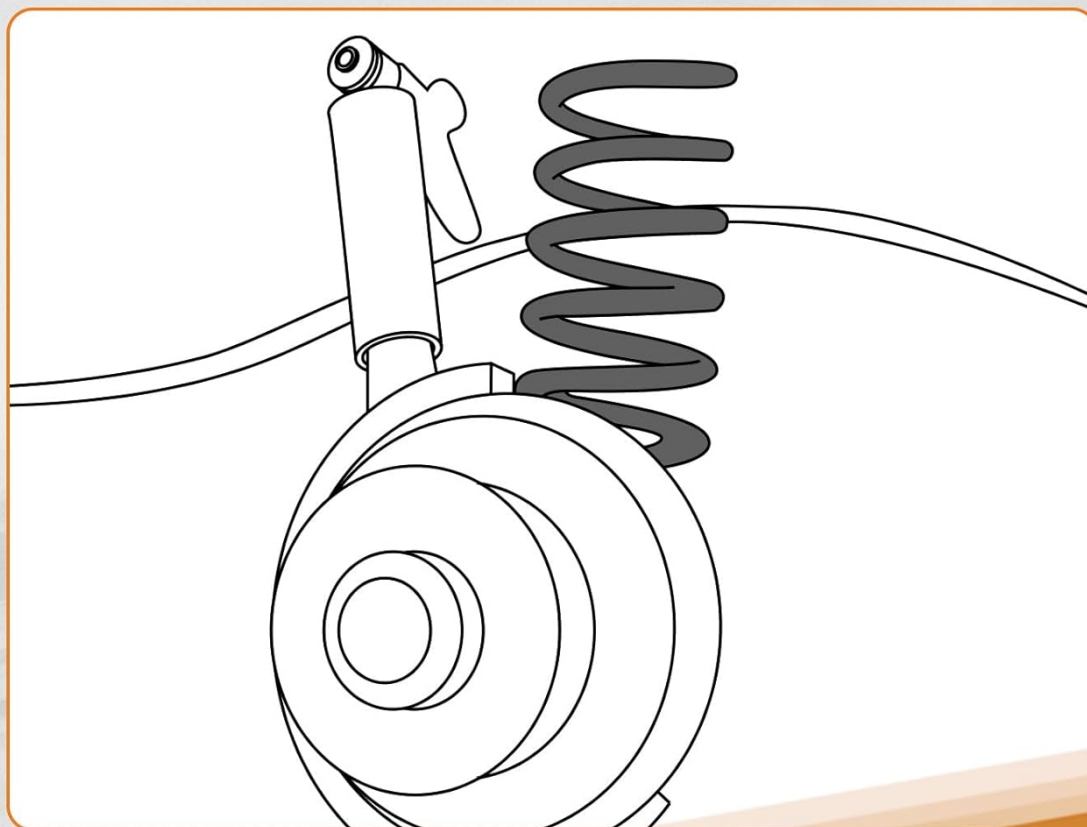
- Always wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands on a level surface before working underneath it. Never rely solely on a jack.
- Do not compress springs without proper spring compressors.
- Keep hands and clothing clear of moving parts.
- Refer to your vehicle's factory service manual for torque specifications and additional safety guidelines.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 2 x maXpeedingrods Rear Lowering Coil Springs

Easy Bolt-On Installation



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Image: Contents of the maXpeedingrods 2-inch Rear Lowering Springs package, showing two black coil springs and a small manual.

4. SPECIFICATIONS

Feature	Specification
Drop Height	2 inches (Rear)
Spring Length	394mm / 15.51 inches
Spring Rate	4kg/mm (223.98lb/in)
Material	High-Strength 55CrSi Steel
Construction	Chromium-Silicon Cold-Wound Structure
Surface Treatment	Anti-Corrosion Coating

Durable Design



High-Strength
55CrSi Steel

Chromium-Silicon
Cold-Wound
Structure

Anti-Corrosion
Surface

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Image: Detailed view of the spring's construction, emphasizing its durable materials and anti-corrosion properties.

5. COMPATIBILITY / FITMENT

These maXpeedingrods 2-inch Rear Lowering Springs are compatible with the following vehicle models:

- **Dodge Ram 1500** RWD & 4WD (Model Years: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018)
- **Ram 1500 Classic** RWD & 4WD (Model Years: 2019, 2020, 2021, 2022, 2023, 2024)

Please ensure your vehicle matches these specifications before installation.

6. SETUP AND INSTALLATION

The installation of lowering springs involves replacing the factory rear coil springs. This process typically requires lifting the vehicle, removing the wheels, disconnecting suspension components, and using a spring compressor.

Due to the complexity and safety risks involved, professional installation is strongly recommended.

General Installation Steps (Consult a professional or vehicle service manual for detailed steps):

1. Safely lift the rear of the vehicle and support it with jack stands.
2. Remove the rear wheels.
3. Carefully disconnect any components that restrict the suspension's downward travel, such as shock absorbers or sway bar links, as per your vehicle's service manual.
4. Lower the axle assembly slowly until the factory coil springs can be removed.
5. Install the maXpeedingrods lowering springs in the same orientation as the factory springs. Ensure they are properly seated in the upper and lower spring perches.
6. Slowly raise the axle assembly, ensuring the springs remain correctly seated.
7. Reconnect all previously disconnected suspension components, tightening to factory torque specifications.
8. Reinstall the wheels and lower the vehicle.
9. Perform a wheel alignment after installation to ensure proper handling and tire wear.

What's In **The Box**



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Image: Conceptual diagram of coil spring installation, indicating a straightforward bolt-on process for experienced installers.

7. OPERATING CHARACTERISTICS AND PERFORMANCE

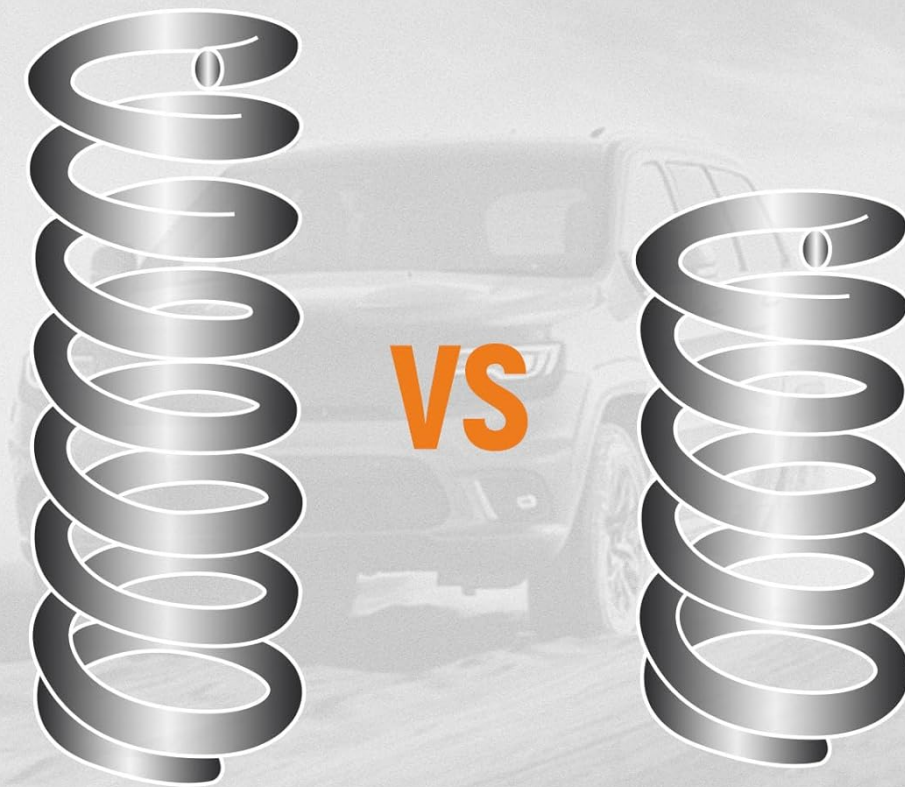
These 2-inch rear lowering springs are designed to provide a noticeable change in your vehicle's stance and driving dynamics.

- **Lowered Stance:** The vehicle's rear will be lowered by approximately 2 inches, contributing to a more aggressive and streamlined appearance.
- **Enhanced Handling:** A lower center of gravity can improve vehicle stability and reduce body roll during cornering.
- **Ride Quality:** While designed for performance, these springs aim to maintain a comfortable ride quality. However, changes in ride feel are inherent with suspension modifications.



Image: Visual comparison demonstrating the 2-inch rear drop achieved by installing the lowering springs.

OE VS Lowering



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Image: Side-by-side illustration comparing the length of an OEM spring with a maXpeedingrods lowering spring.

8. MAINTENANCE

These lowering springs are designed for durability and require minimal maintenance. However, regular inspection of your vehicle's suspension components is crucial for safety and performance.

- **Periodic Inspection:** Regularly inspect the springs for any signs of damage, corrosion, or fatigue. Check for proper seating in the spring perches.
- **Cleanliness:** Keep the suspension area clean from excessive dirt, salt, and debris, which can accelerate corrosion.
- **Associated Components:** Inspect other suspension components such as shocks, bushings, and control arms for wear, as these can affect the performance and longevity of your new springs.

9. TROUBLESHOOTING

If you experience any issues after installing your lowering springs, consider the following common troubleshooting

steps:

- **Uneven Ride Height:** Verify that both springs are correctly installed and seated. Ensure all suspension components are properly tightened. A post-installation alignment is critical.
- **Unusual Noises (Clunking/Squeaking):** Check all bolts and nuts for proper torque. Inspect for any contact between suspension components or other vehicle parts. Ensure springs are seated correctly and not rubbing.
- **Harsh Ride:** While a firmer ride is expected, an excessively harsh ride might indicate an issue with shock absorbers or improper installation. Ensure your shocks are compatible with a 2-inch drop.
- **Poor Handling:** An immediate wheel alignment is necessary after any suspension modification to correct camber, caster, and toe angles.

If problems persist, consult a qualified automotive technician.

10. WARRANTY AND SUPPORT

maXpeedingrods provides the following support for this product:

- **Warranty:** A 1-year limited warranty covers quality issues from the date of purchase.
- **Technical Support:** Lifetime technical support is available for all maXpeedingrods products.

For warranty claims, technical assistance, or any other inquiries, please contact maXpeedingrods customer service through their official channels or the retailer where the product was purchased.