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› maXpeedingrods 4" Suspension Lift Kit User Manual for Jeep Wrangler JK Unlimited

maXpeedingrods OD24GJ

maXpeedingrods 4" Suspension Lift Kit User Manual

Model: OD24GJ

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your maXpeedingrods 4" Suspension Lift Kit. This kit is designed to increase the ground and tire clearance of your vehicle, allowing for the fitment of larger custom rims and tires, and enhancing the vehicle's appearance while maintaining a smooth ride quality.

Please read this manual thoroughly before beginning installation to ensure proper procedure and safety.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Professional installation is recommended. If you are not confident in your mechanical abilities, seek assistance from a qualified technician.

- Ensure the vehicle is securely supported on jack stands or a lift before working underneath.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Do not modify any components of the lift kit.
- Verify all fasteners are tightened to manufacturer specifications.
- After installation, perform a thorough inspection of all suspension and steering components.
- A professional alignment is required after installation.

3. VEHICLE FITMENT

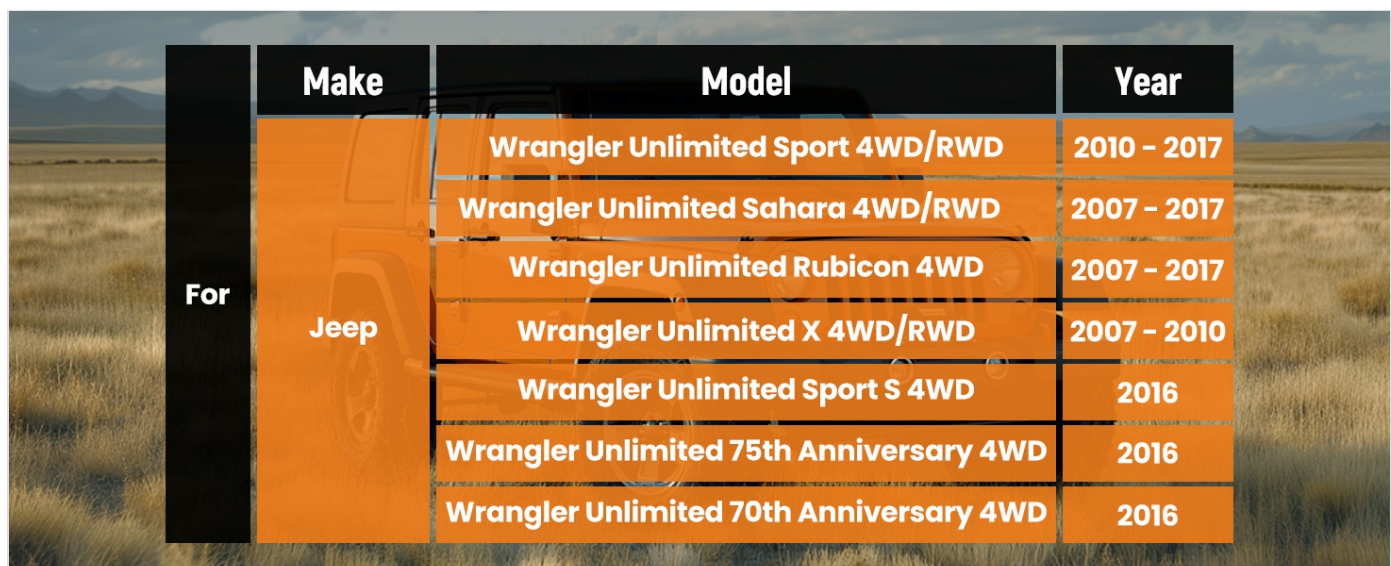
This 4" Suspension Lift Kit is specifically designed for the following Jeep Wrangler JK Unlimited models:

Make	Model	Year
Jeep	Wrangler Unlimited Sport 4WD/RWD	2010 - 2017
Jeep	Wrangler Unlimited Sahara 4WD/RWD	2007 - 2017
Jeep	Wrangler Unlimited Rubicon 4WD	2007 - 2017

Make	Model	Year
Jeep	Wrangler Unlimited X 4WD/RWD	2007 - 2010
Jeep	Wrangler Unlimited Sport S 4WD	2016
Jeep	Wrangler Unlimited 75th Anniversary 4WD	2016
Jeep	Wrangler Unlimited 70th Anniversary 4WD	2011

Important Notes:

- For 2012-2018 models, exhaust modifications may be necessary for front driveshaft clearance.
- Stock wheels require 1.5" wheel spacers for proper fitment.
- Automatic transmission vehicles may require a smaller diameter aftermarket front driveshaft.
- A Pitman arm is not included with this kit.



	Make	Model	Year
For	Jeep	Wrangler Unlimited Sport 4WD/RWD	2010 - 2017
		Wrangler Unlimited Sahara 4WD/RWD	2007 - 2017
		Wrangler Unlimited Rubicon 4WD	2007 - 2017
		Wrangler Unlimited X 4WD/RWD	2007 - 2010
		Wrangler Unlimited Sport S 4WD	2016
		Wrangler Unlimited 75th Anniversary 4WD	2016
		Wrangler Unlimited 70th Anniversary 4WD	2016

Figure 3.1: Compatibility table for Jeep Wrangler JK Unlimited models.

4. PARTS LIST

Before beginning installation, verify that all components listed below are present in your kit. If any parts are missing or damaged, please contact maXpeedingrods customer support.

- Lift Springs (4)
- Shocks (4)
- Track Bar Drop Bracket (1)
- Brake Line Relocation Brackets (2)
- Shock Relocation Brackets (2)
- Coil Correction Plates (2)
- Necessary Hardware (bolts, nuts, washers, bushings)



Figure 4.1: Overview of all included components in the lift kit.

What's In The Box



Figure 4.2: Detailed view of the kit contents, including springs, shocks, brackets, and hardware.

5. SETUP AND INSTALLATION

This section outlines the general steps for installing the 4" Suspension Lift Kit. Specific torque specifications and detailed step-by-step instructions for each component should be followed from the included printed instructions or a professional service manual for your vehicle.

5.1. Pre-Installation Checklist

- Gather all necessary tools (e.g., wrenches, sockets, torque wrench, jack, jack stands).
- Ensure the vehicle is on a flat, level surface.
- Disconnect the negative terminal of the vehicle's battery.
- Review the entire installation process before starting.

5.2. General Installation Steps (Overview)

1. Safely lift the vehicle and support it using jack stands. Remove wheels.
2. Disassemble existing suspension components (shocks, springs, sway bar links, etc.) as required.
3. Install new lift springs and shocks. The premium shocks are designed for both on-road and off-road performance, featuring high-pressure nitrogen gas and natural rubber bushings for vibration reduction. They are powder-coated for corrosion resistance.
4. Install track bar drop bracket, brake line relocation brackets, and shock relocation brackets.
5. Install coil correction plates.
6. Reassemble all other necessary components, ensuring proper routing of brake lines and wiring.
7. Tighten all fasteners to the vehicle manufacturer's specified torque values.
8. Reinstall wheels and lower the vehicle.
9. Perform a final inspection of all installed components.



Figure 5.1: Detail of the premium shock absorber, featuring a powder-coated surface for anti-corrosion and rubber bushings for vibration reduction.

Twin-Tube Shock Structure



Figure 5.2: Internal structure of the twin-tube shock, detailing its 18mm chromed hardened piston rod, 32mm diameter sintered iron piston, 50mm shock body, and high-pressure nitrogen charging.

6. OPERATION AND POST-INSTALLATION

After the lift kit is installed, it is crucial to perform certain checks and adjustments to ensure safe and optimal vehicle operation.

6.1. Post-Installation Checks

- **Alignment:** A professional wheel alignment is mandatory immediately after installation to correct camber, caster, and toe angles. Failure to do so can result in premature tire wear and unsafe handling.
- **Fastener Torque:** Re-check the torque on all fasteners after the first 50-100 miles of driving, and periodically thereafter.
- **Brake Line Clearance:** Ensure all brake lines and ABS wires have adequate slack and are not pinched or stretched at full suspension droop or compression.
- **Driveshaft Clearance:** Verify sufficient clearance for the front driveshaft, especially on 2012-2018 models, where exhaust modifications might be needed.

6.2. Driving with a Lift Kit

A lifted vehicle will have a higher center of gravity. Drive cautiously and be aware of changes in handling characteristics, especially during cornering and braking. The 4" lift increases ground and tire clearance, allowing for larger tires (e.g., 35x12.50 R17 with 4.5"-4.75" backspacing) and improved off-road capability.



Figure 6.1: Visual comparison of a vehicle before and after the 4" front and rear lift, demonstrating increased clearance.



Figure 6.2: Benefits of the 4" lift, including increased ground clearance and improved tire fitment.

7. MAINTENANCE

Regular inspection and maintenance are essential to ensure the longevity and safe operation of your maXpeedingrods suspension lift kit.

- **Periodic Inspection:** Regularly inspect all components of the lift kit for signs of wear, damage, or corrosion. Pay close attention to bushings, bolts, and welds.
- **Fastener Checks:** Re-torque all suspension fasteners at regular intervals, especially after off-road use. Loose fasteners can lead to premature wear and unsafe conditions.
- **Cleaning:** Keep the suspension components clean, especially after driving in mud, sand, or corrosive environments. Rinse off dirt and debris to prevent buildup and corrosion.
- **Shock Absorbers:** While the shocks are powder-coated for corrosion resistance, inspect them for any signs of leaks or damage. Replace if necessary.

8. TROUBLESHOOTING

This section provides solutions to common issues that may arise after installing a suspension lift kit. For complex problems, consult a professional mechanic.

Problem	Possible Cause / Solution
Uneven Ride Height	◦ Incorrect spring installation: Verify springs are seated correctly. ◦ Uneven weight distribution: Check vehicle loading. ◦ Damaged or defective component: Inspect springs and shocks for damage.
Vibrations After Lift	◦ Driveshaft angle issues: May require a smaller diameter aftermarket front driveshaft for automatic transmission vehicles. ◦ Tire imbalance or improper alignment: Have tires balanced and a professional alignment performed. ◦ Loose fasteners: Re-torque all suspension bolts.

Problem	Possible Cause / Solution
Steering Issues (Pulling, Loose Steering)	◦ Improper alignment: A professional alignment is critical after lift installation. ◦ Loose steering components: Inspect tie rods, drag link, and steering box. ◦ Track bar not centered: Ensure track bar is properly adjusted and centered.
Rubbing Tires	◦ Insufficient wheel backspacing: Stock wheels require 1.5" wheel spacers. ◦ Tire size too large: Ensure tires are within recommended specifications (e.g., 35x12.50 R17 with 4.5"-4.75" backspacing). ◦ Fender liner interference: Minor trimming may be required in some cases.

9. SPECIFICATIONS

Attribute	Value
Product Model	OD24GJ
Lift Height	4 inches (Front & Rear)
Material	Alloy Steel
Item Weight	Approximately 104.8 pounds
Product Dimensions (Boxed)	27.95 x 20.08 x 14.57 inches
Shock Absorber Type	High-pressure nitrogen gas, twin-tube structure
Recommended Tire Size	35x12.50 R17 (with 4.5"-4.75" backspacing)
Country of Origin	China

Durable Accessory



High-Strength
Carbon Steel



Anti-Corrosion
Surface



Precision Cutting
and Welding

MAXPEEDINGRODS Since 2006
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Figure 9.1: Components are constructed from high-strength carbon steel with an anti-corrosion surface.

10. WARRANTY AND SUPPORT

maXpeedingrods stands behind the quality of its products.

- **Limited Warranty:** This product comes with a 1-year limited warranty covering quality-related issues from the date of purchase.
- **Technical Support:** maXpeedingrods offers lifetime technical support for this product.
- **Contact:** For any questions, technical assistance, or warranty claims, please contact maXpeedingrods customer support. Refer to your purchase documentation for specific contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question