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maXpeedingrods NO79UN

maXpeedingrods 2" Lift Kit for Jeep Grand Cherokee WJ 4WD (1999-2004) Instruction Manual

Model: NO79UN

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the maXpeedingrods 2-inch Suspension Lift Kit with Shocks, G1 Version, for Jeep Grand Cherokee WJ 4WD models manufactured between 1999 and 2004. Please read this manual thoroughly before beginning installation to ensure proper procedure and safety.

2. SAFETY INFORMATION

WARNING: Improper installation or use of this product can lead to serious injury or death. Professional installation is highly recommended.

- 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. Never rely solely on a jack.
- Disconnect the vehicle's battery before starting any electrical work.
- Use proper tools for each step. Do not use damaged or incorrect tools.
- Follow all torque specifications provided by the vehicle manufacturer and any additional specifications for this kit.
- After installation, have the vehicle's alignment checked and adjusted by a qualified technician.

3. COMPATIBILITY

This 2-inch suspension lift kit is specifically designed for:

- **Make:** Jeep
- **Model:** Grand Cherokee 4WD
- **Years:** 1999-2004

Important Compatibility Notes:

- NOT compatible with models equipped with Quadra-Trac I, Quadra-Trac II, or Quadra-Drive systems.
- NOT compatible with models equipped with a rzeppa joint front driveshaft.

Compatibility

For	Make	Model	Year
	Jeep	Grand Cherokee 4WD	1999–2004

NOT for models with Quadra-Trac I, Quadra-Trac II, or Quadra-Drive.

NOT for models equipped with a rzeppa joint front driveshaft.



Image: Compatibility details for the lift kit, showing applicable Jeep Grand Cherokee WJ models and years, along with exclusion notes.

4. WHAT'S IN THE BOX

Verify that all components listed below are present and undamaged before beginning installation:

- Front Coil Spring Spacers (2)
- Rear Coil Spring Spacers (2)
- Shocks (4)
- Associated hardware (bolts, nuts, washers)

What's In The Box



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Image: All components included in the maXpeedingrods 2-inch lift kit, including front and rear coil spring spacers, shocks, and mounting hardware.

5. SETUP AND INSTALLATION GUIDE

This section outlines the general steps for installing the maXpeedingrods 2-inch lift kit. Specific torque values and detailed disassembly/reassembly procedures for your vehicle should be referenced from your Jeep Grand Cherokee WJ service manual.

5.1. Pre-Installation Steps

1. Park the vehicle on a flat, level surface.
2. Engage the parking brake and place wheel chocks behind the rear wheels (when working on the front) or in front of the front wheels (when working on the rear).
3. Loosen the lug nuts on all wheels.
4. Safely lift the vehicle using a hydraulic jack and support it securely with jack stands under the frame rails. Ensure the vehicle is stable.

5. Remove the wheels.

5.2. Front Suspension Installation

1. **Disconnect Components:** Disconnect the sway bar end links, brake line brackets, and ABS sensor wires from the axle to allow for maximum suspension droop.
2. **Remove Shocks:** Unbolt the upper and lower shock mounts and remove the factory front shocks.
3. **Remove Coil Springs:** Carefully lower the axle to allow the coil springs to be removed. Use a spring compressor if necessary, but often the springs can be removed by fully extending the suspension.
4. **Install Front Spacers:** Place the front coil spring spacers on top of the coil springs or on the upper spring perch, depending on the design. Ensure they are seated correctly.
5. **Install New Coil Springs (if applicable) and Shocks:** Reinstall the factory coil springs (or new springs if part of a different kit) and install the new maXpeedingrods front shocks. Secure the upper and lower shock mounts, hand-tightening initially.
6. **Reassemble:** Reconnect the sway bar end links, brake line brackets, and ABS sensor wires.

5.3. Rear Suspension Installation

1. **Disconnect Components:** Disconnect the sway bar end links, brake line brackets, and ABS sensor wires from the axle.
2. **Remove Shocks:** Unbolt the upper and lower shock mounts and remove the factory rear shocks.
3. **Remove Coil Springs:** Carefully lower the axle to allow the coil springs to be removed. Note: Some users report needing to trim the factory upper rear spring mount for proper fitment of aftermarket components. Inspect and trim if necessary.
4. **Install Rear Spacers:** Place the rear coil spring spacers on top of the coil springs or on the upper spring perch, ensuring correct seating.
5. **Install New Coil Springs (if applicable) and Shocks:** Reinstall the factory coil springs (or new springs) and install the new maXpeedingrods rear shocks. Secure the upper and lower shock mounts, hand-tightening initially.
6. **Reassemble:** Reconnect the sway bar end links, brake line brackets, and ABS sensor wires.

5.4. Post-Installation Steps

1. **Install Wheels:** Reinstall all wheels and hand-tighten the lug nuts.
2. **Lower Vehicle:** Carefully lower the vehicle to the ground.
3. **Final Torque:** With the vehicle on the ground, fully tighten all lug nuts to the manufacturer's specifications. Torque all suspension bolts (shocks, control arms, sway bar links) to the vehicle manufacturer's specifications.
4. **Alignment:** Drive the vehicle a short distance to allow the suspension to settle. Then, have a professional alignment shop perform a full wheel alignment. This is critical for proper handling and tire wear.
5. **Check Clearances:** Verify adequate clearance for all suspension components, brake lines, and driveshafts, especially during full suspension travel.

2" Front & 2" Rear Lift



Image: Visual comparison of a vehicle's ride height before and after installing a 2-inch front and rear lift kit.

6. OPERATION CONSIDERATIONS

After installing a lift kit, the vehicle's handling characteristics will change. It is important to be aware of these changes:

- **Center of Gravity:** The vehicle's center of gravity will be higher, which can affect stability, especially during cornering or sudden maneuvers. Drive cautiously until you are accustomed to the new handling.
- **Braking:** Braking performance may feel different. Allow for increased stopping distances.
- **Off-Road Performance:** The increased ground clearance can improve off-road capability, but always exercise caution and drive within the vehicle's and your own limits.
- **Tire Size:** The lift kit allows for larger tire fitment. Ensure any new tires are properly balanced and do not rub against suspension or body components during full steering lock or suspension travel.

7. MAINTENANCE

Regular inspection and maintenance are crucial for the longevity and safe operation of your lift kit and vehicle.

- **Initial Check (500 miles):** After approximately 500 miles of driving, re-torque all suspension fasteners to ensure they remain tight.
- **Routine Checks:** Periodically inspect all suspension components, including shocks, spacers, bolts, and bushings, for wear, damage, or looseness.
- **Cleanliness:** Keep suspension components clean, especially after off-road use, to prevent corrosion and premature wear.
- **Shock Inspection:** Check shocks for leaks or damage. The shocks feature a sealed dust cover to protect from pollutants and a powder-coated surface for anti-corrosion. Rubber bushings are designed to reduce vibration.

Premium Shock



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Image: Close-up view of a maXpeedingrods shock, highlighting features like the sealed dust cover, powder-coated surface, and rubber bushings.

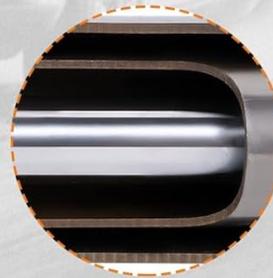
Twin-Tube Shock Structure



**High-Pressure
Nitrogen Charged**



- **18mm** Chromed Hardened Piston Rod
- **35mm** Diameter Sintered Iron Piston
- **54mm** Shock Body



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Image: Cutaway view illustrating the twin-tube shock structure, including the 18mm chromed hardened piston rod, 35mm diameter sintered iron piston, and 54mm shock body.

Durable Spacers



**High-Strength
Carbon Steel**



**Anti-Corrosion
Surface**



**Precision Cutting
and Welding**



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Image: Detailed view of the durable spacers, noting their high-strength carbon steel construction, anti-corrosion surface, and precision cutting and welding.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Uneven ride height	Improper seating of spacers/springs; incorrect component installation.	Re-check installation of all spacers and springs. Ensure they are seated correctly. Verify correct components are on the correct side (front/rear).
Vibrations or unusual noises	Loose fasteners; driveshaft angle issues; component rubbing.	Re-torque all suspension fasteners. Inspect driveshaft angles; a transfer case drop or adjustable control arms may be needed for severe angles. Check for any components rubbing.

Problem	Possible Cause	Solution
Poor handling or steering	Incorrect alignment; loose steering components.	Have a professional alignment performed. Inspect steering linkage for looseness or damage.
Shocks bottoming out or feeling too stiff/soft	Incorrect shock application; damaged shocks.	Verify correct shock part numbers for your application. Inspect shocks for damage or leaks.

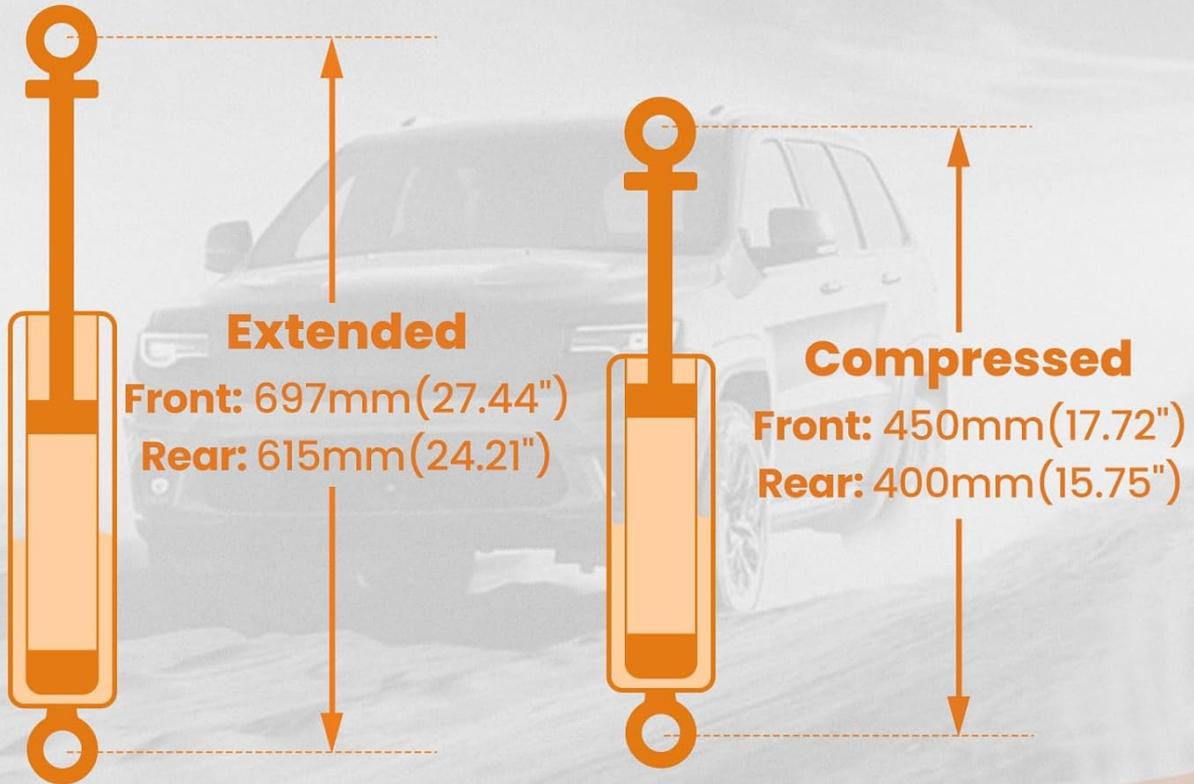
9. SPECIFICATIONS

Feature	Detail
Product Model	NO79UN
Application	Jeep Grand Cherokee WJ 4WD (1999-2004)
Lift Height	2 inches (Front & Rear)
Material (Spacers)	High-strength Alloy Steel
Shock Type	Twin-Tube, Nitrogen Charged
Shock Piston Rod	18mm Chromed Hardened
Shock Piston Diameter	35mm Sintered Iron
Shock Body Diameter	54mm
Front Shock Extended Length	697mm (27.44")
Front Shock Compressed Length	450mm (17.72")
Rear Shock Extended Length	615mm (24.21")
Rear Shock Compressed Length	400mm (15.75")
Item Weight	42.4 pounds
Product Dimensions	26.02 x 9.37 x 7.95 inches

Shock Travel Range

Travel Length:

Front: 247mm/9.72" Rear: 215mm/8.46"



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Image: Diagram showing the extended and compressed lengths, and travel range for both front and rear shocks.

10. WARRANTY AND SUPPORT

maXpeedingrods is committed to providing high-quality products. This product is supported by a policy for free returns and exchanges within three months of purchase. For further information, technical assistance, or warranty claims, please contact maXpeedingrods customer support through the retailer's platform or the official maXpeedingrods website.