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› maXpeedingrods 2-5 Inch Lift Kit Instruction Manual for Polaris RZR 900 S 4 EPS (2015-2016)

maXpeedingrods HP73ZV

maXpeedingrods 2-5 Inch Lift Kit Instruction Manual

For Polaris RZR 900 S 4 EPS 2015-2016

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your maXpeedingrods 2-5 inch Lift Kit. This kit is designed to enhance the ground clearance and off-road capability of your Polaris RZR 900 S/4 EPS. Please read all instructions carefully before beginning installation to ensure proper fitment and safe operation.

2. PRODUCT OVERVIEW

2.1 Key Features

Durable Material



**High-Strength
Carbon Steel**



**Powder Coated
Surface for
Anti-Corrosion**



**Precision Cutting
and Welding**

MAX SPEEDING RODS Since 2006
YOUR GATEWAY TO PERFORMANCE DRIVING

Image: Key features of the lift kit, highlighting high-strength carbon steel, powder coating for corrosion resistance, and precision manufacturing.

- **Adjustable Lift Height:** Provides a 2-5 inch lift. A 2-inch lift is achieved with standard stock shock preload settings, while a 5-inch lift is possible by adjusting stock shock preload settings.
- **Enhanced Off-Road Capability:** Increases ground clearance, allowing for larger tires and improved navigation over rocky or uneven terrain.
- **Durable Construction:** Lift brackets are manufactured from high-strength carbon steel, precision machined, and powder-coated for resistance against rust and corrosion.
- **Complete Kit:** Includes all necessary high-grade hardware for installation.

2.2 Fitment Information

This lift kit is specifically designed for the following models:

- Polaris RZR 900 S/4 2015
- Polaris RZR 900 S/4 EPS 2015-2016

Important: This kit is **NOT** compatible with the following models:

- RZR 900 50"/55" models
- RZR 1000 S
- RZR 900-S base model (non-EPS) with FOX Mono Shocks 2016
- 2017+ models (due to front sway bar changes)

2.3 What's in the Box

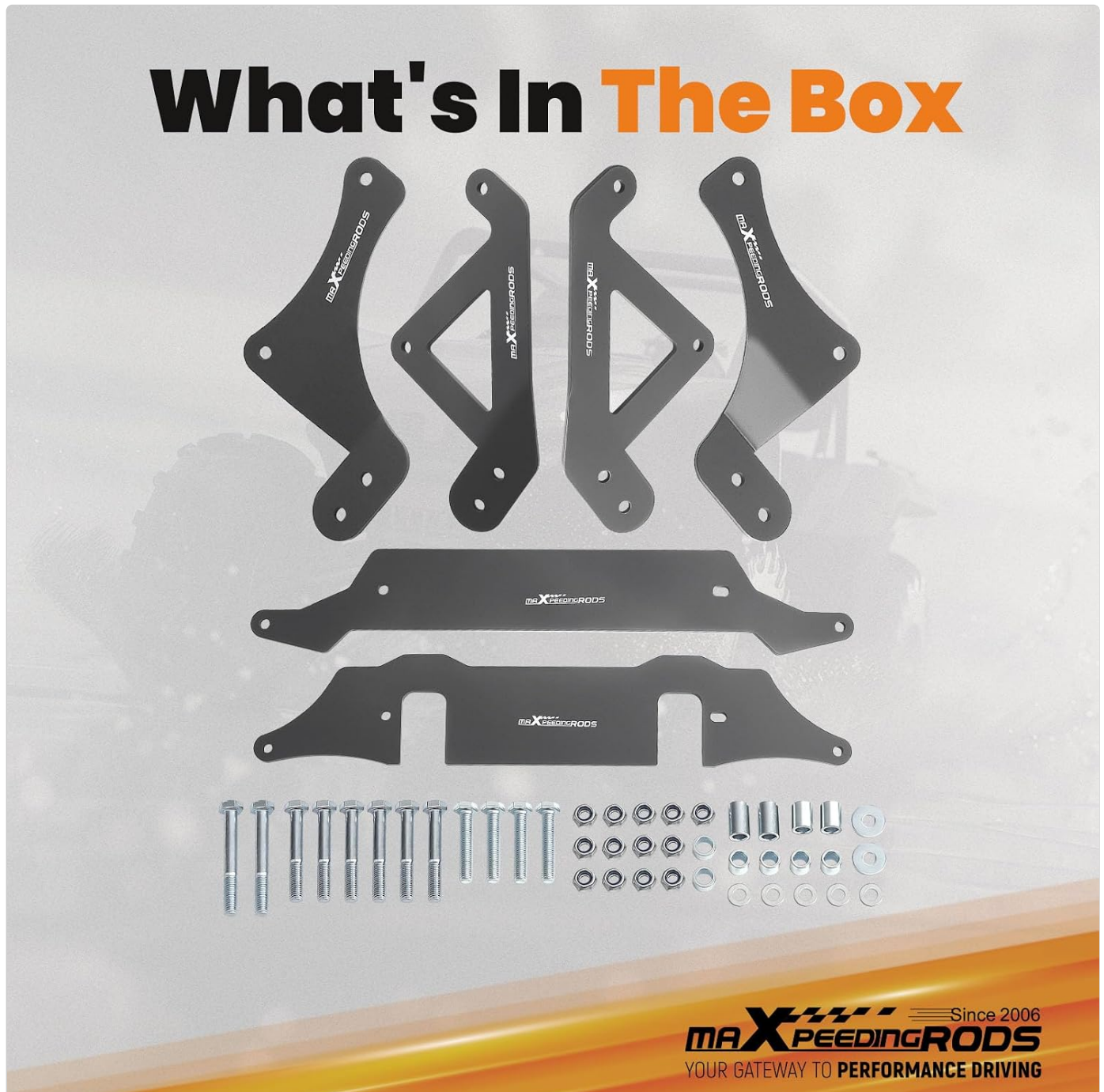


Image: The maXpeedingrods lift kit components, including multiple steel brackets and a collection of bolts, washers, and nuts for installation.

The package includes:

- Lift Brackets (specific to front and rear)
- Installation Hardware (bolts, washers, nuts)

3. SAFETY INFORMATION

Always prioritize safety during installation and operation. Failure to follow safety guidelines can result in serious injury or damage to your vehicle.

- Wear appropriate personal protective equipment (PPE), 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.
- Disconnect the battery before performing any electrical work.
- If you are unsure about any step of the installation process, consult a qualified mechanic.
- After installation, perform a thorough inspection of all components and test drive the vehicle in a safe environment.

4. SETUP AND INSTALLATION

Installation of this lift kit requires mechanical knowledge and appropriate tools. If you are not comfortable performing this installation, seek professional assistance.

4.1 Tools Required (Not Included)

- Vehicle Jack and Jack Stands
- Socket Wrench Set
- Open-End Wrench Set
- Torque Wrench
- Pry Bar (optional, for leverage)
- Spring Compressor (if adjusting shock preload)

4.2 Pre-Installation Steps

1. Park the vehicle on a flat, level surface.
2. Engage the parking brake.
3. Chock the wheels that will remain on the ground.
4. Loosen the lug nuts on all wheels.
5. Jack up the vehicle and secure it on jack stands, ensuring it is stable.
6. Remove all wheels.

4.3 Front Lift Kit Installation



Image: A pair of black, triangular-shaped steel brackets, designed for the front suspension lift.

1. Locate the upper shock mounting points on the front suspension.
2. Remove the existing bolts securing the upper shock mounts.
3. Position the new front lift brackets (as shown in the image) between the shock and the frame/mounting point.
4. Align the holes and insert the provided longer bolts through the bracket and shock mount.
5. Secure with washers and nuts, tightening to manufacturer specifications (refer to your vehicle's service manual for torque values).
6. Repeat for the other front side.

4.4 Rear Lift Kit Installation



Image: A single black, curved steel bracket with multiple mounting holes, designed for the rear suspension lift.

1. Locate the upper shock mounting points on the rear suspension.
2. Remove the existing bolts securing the upper shock mounts.
3. Position the new rear lift brackets (as shown in the image) between the shock and the frame/mounting point.
4. Align the holes and insert the provided longer bolts through the bracket and shock mount.
5. Secure with washers and nuts, tightening to manufacturer specifications.
6. Repeat for the other rear side.

4.5 Post-Installation Steps

1. Reinstall all wheels and tighten lug nuts to factory specifications.
2. Lower the vehicle carefully off the jack stands.
3. Torque all lug nuts again after the vehicle is on the ground.
4. **Adjusting Lift Height (2" to 5"):** To achieve a lift greater than 2 inches (up to 5 inches), you will need to adjust the preload on your stock shocks. This typically involves using a spring compressor and adjusting the spring collars. Refer to your Polaris RZR service manual for specific instructions on shock preload adjustment.
5. Perform a full alignment check. Lifting a vehicle can alter suspension geometry, requiring alignment adjustments to

prevent premature tire wear and ensure proper handling.

5. OPERATING YOUR LIFTED VEHICLE

After installing the lift kit, your vehicle's handling characteristics will change. Be aware of the following:

- **Center of Gravity:** The vehicle's center of gravity will be higher, which can affect stability, especially during sharp turns or on uneven terrain. Exercise caution.
- **Suspension Travel:** While ground clearance increases, suspension travel may be altered.
- **Tire Clearance:** The lift kit provides additional clearance for larger tires. Ensure any new tires are properly fitted and do not rub.
- **Off-Road Performance:** The primary benefit is improved off-road capability. Approach obstacles carefully and understand the new limits of your vehicle.



Image: A side-by-side comparison of an ATV, illustrating the increase in ground clearance after the installation of a 2-5 inch lift kit.

6. MAINTENANCE

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

- **Periodic Inspection:** Regularly check all bolts and nuts associated with the lift kit and suspension components for tightness. Re-torque as necessary, especially after the first few hours of operation.
- **Corrosion Check:** Inspect the brackets for any signs of rust or corrosion, particularly if operating in wet or harsh environments. The powder coating provides protection, but damage can occur.
- **Component Wear:** Monitor other suspension components (bushings, ball joints, tie rods) for increased wear, as a lift can alter their operating angles.
- **Cleaning:** Keep the suspension components clean from mud, dirt, and debris to prevent premature wear and corrosion.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Uneven Lift Height	Incorrect shock preload adjustment; improper bracket installation.	Verify shock preload settings are consistent. Re-check bracket installation and ensure all hardware is correctly seated and torqued.
Clunking/Rattling Noises	Loose hardware; components rubbing.	Inspect all bolts and nuts for tightness. Check for any contact between suspension components or frame.
Poor Handling/Steering Issues	Alignment issues; worn steering components.	Perform a professional wheel alignment. Inspect tie rods, ball joints, and other steering components for wear.
Premature Tire Wear	Incorrect alignment; improper tire pressure.	Get a professional wheel alignment. Ensure tires are inflated to recommended pressure.

8. SPECIFICATIONS

Feature	Detail
Brand	maXpeedingrods
Model Number	HP73ZV
Lift Height	2-5 inches (adjustable via shock preload)
Material	High-Strength Carbon Steel
Coating	Powder Coated (Anti-Corrosion)
Vehicle Position	Front and Rear
Item Weight	20.5 pounds
Product Dimensions	26.97 x 7.99 x 5.24 inches (packaging)

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact maXpeedingrods customer service. Refer to your purchase documentation or the official maXpeedingrods website for the most current contact details and warranty terms. You can visit the [maXpeedingrods Store on Amazon](#) for more information.

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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.

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