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maXpeedingrods WM69LX

maXpeedingrods 7500 lbs Rear Air Suspension Bags Kit Instruction Manual

Model: WM69LX

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the maXpeedingrods 7500 lbs Rear Air Suspension Bags Kit, model WM69LX. This kit is designed to enhance vehicle stability and comfort when hauling or towing heavy loads.



Image: A truck towing a trailer, illustrating the enhanced towing performance provided by the air helper spring bag kit.

2. VEHICLE COMPATIBILITY

This air suspension kit is compatible with the following vehicle models:

- Dodge Ram 2500 4WD: 2003-2013
- Dodge Ram 3500 4WD: 2003-2018

Note: This kit fits single rear wheel (SRW) and dual rear wheel (DRW) models. It is compatible with factory in-bed hitch systems and most side-mount fifth-wheel hitch models. It is **not** suitable for cab and chassis models or models with a fifth-wheel hitch that interferes with the air spring installation.

Compatible with The Following Models

Make	Model	Drive	Year
For Dodge	Ram 2500 Pickup	4WD	2003-2010
	Ram 3500 Pickup		
For Ram	2500	4WD	2011
	3500		2011-2018
Note: Fits single rear wheel (SRW) and dual rear wheel (DRW) models. Fit factory in-bed hitch system and most side mount fifth wheel hitch models. Not fit for cab and chassis models. Not fit for models with fifth-wheel hitch.			

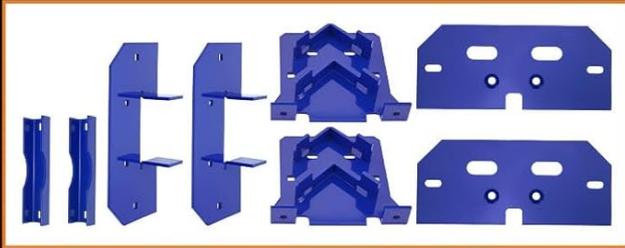
Image: A table detailing compatible Dodge Ram 2500 and 3500 4WD models and years.

3. PACKAGE CONTENTS

Verify that all components are present in the package before beginning installation:

- Air Suspension Bags (2)
- Upper and Lower Mounting Brackets
- Roll Plates
- Air Line
- Hardware Kits (bolts, nuts, washers, air fittings, zip ties)
- Installation Manual

Package Contents



Upper and Lower Mounting Brackets



Roll Plates



Air Line



Air Suspension Bags



Installation Manual



Hardware Kits

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Image: A visual representation of all items included in the air spring kit package.

4. KEY FEATURES AND COMPONENTS

4.1. Durable Material Construction

The air springs are constructed with a multi-ply natural rubber design and a unique rubber formulation. The 4.5-5mm thickness enhances load support capability. High-strength ST12 steel end caps provide structural integrity.

Durable Material



High-Strength ST12
Steel End Caps



Thicker Rubber Air
Sleeves and Seals



Multi-Ply Rubber
Structure



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Image: Detailed view of the air spring, highlighting its high-strength ST12 steel end caps, thicker rubber air sleeves, and multi-ply rubber structure for durability.

4.2. Reliable Mounting Accessories

The kit includes plastic-sprayed Q235 steel mounting brackets and Dacromat anti-rust bolts for enhanced durability and corrosion resistance, ensuring long-lasting performance.

Reliable Mounting Accessories



Plastic-sprayed
Q235 Steel Brackets



Dacromet Anti-Rust
Surface Treatment
for Bolts

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Image: Components for mounting, showing plastic-sprayed Q235 steel brackets and Dacromat anti-rust treated bolts.

4.3. Load Leveling Capacity

The system provides up to 7500 pounds of load leveling capability, significantly improving stability and handling when carrying heavy loads or towing. The air pressure is adjustable from 5 to 100 PSI.

Load Leveling Capacity



Image: An air spring with an overlay indicating its load leveling capacity of up to 7500 lbs.

5. INSTALLATION AND SETUP

This kit is designed for bolt-on installation. Refer to the included installation manual for detailed, step-by-step instructions specific to your vehicle model. Professional installation is recommended if you are not familiar with automotive suspension systems.

5.1. Pre-Installation Check

Before installation, ensure your vehicle's suspension is in its original configuration. If the rear of your vehicle is lifted, you may need an additional spacer to support the kit. If only the front of your vehicle is lifted, the kit will fit. The kit will **not** fit if both the front and rear of your vehicle are lowered.

Will it **fit** if your vehicle modified before?



If the rear of your vehicle lifted, you may need another spacer to support the kit.



If the front of your vehicle lifted, It will fit.



If the front and the rear of your vehicle lowered, It will not fit.

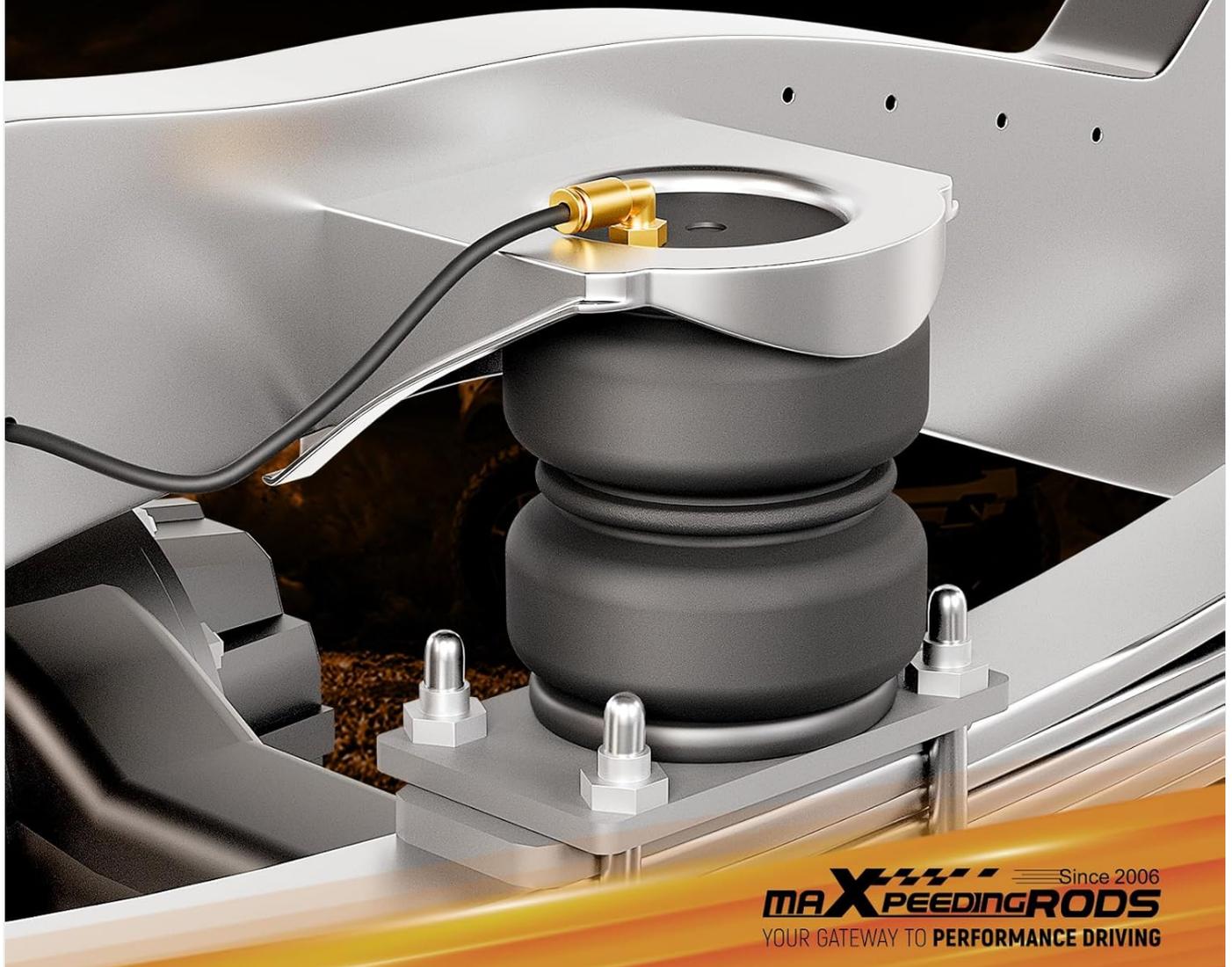
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Image: Visual guide on vehicle modification compatibility, indicating that the kit fits if the front is lifted, may require spacers if the rear is lifted, and does not fit if both front and rear are lowered.

5.2. General Installation Overview

The air springs are installed between the vehicle's frame and the rear axle. The air lines connect to the air springs and are routed to an accessible inflation point. Ensure all connections are secure and free from leaks.

Bolt-On Installation



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Image: An illustration of the bolt-on installation process for the air suspension system on a vehicle chassis.

6. OPERATION AND ADJUSTMENT

The air springs are adjustable from 5 to 100 PSI. Adjust the air pressure based on the load being carried and road conditions to achieve optimal stability and comfort. Proper adjustment helps to:

- Prevent unbalanced loads
- Reduce bottoming out
- Keep headlights level
- Improve steering control and braking
- Preserve tires
- Eliminate sag
- Increase ride comfort



Image: A visual comparison of a truck towing a trailer, demonstrating the benefits of adjustable air spring kits by showing the vehicle's level stance after loading the air springs compared to before.

7. MAINTENANCE

Regular inspection and proper maintenance are crucial for the longevity and performance of your air suspension system.

7.1. Preventing Leaks

To prevent air leaks, ensure that the air line ends are cut perfectly smooth and provide a tight seal when inserted into fittings. Verify that the air line is properly placed and routed, avoiding sharp bends or contact with moving parts. After installation, use a spray bottle filled with soapy water to check all fittings and the air bags for leaks. Bubbles will indicate a leak.

How to Prevent Leaks

Caused by Installation Mistakes



Make sure leave a perfectly smooth and tight seal.



Verify that the air line is properly placed and routed.



Use a spray bottle filled with soap and water to spray down all of your fittings (included the bag itself), which helps you find a leak instantly and easily.

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Image: A guide on preventing leaks, showing correct air line cuts, proper air line placement, and the soap-and-water method for leak detection.

7.2. General Care

- Periodically check air pressure and adjust as needed.
- Inspect air lines and fittings for wear, damage, or corrosion.
- Clean the air springs and surrounding components to prevent dirt and debris buildup.

8. TROUBLESHOOTING

If you experience issues with your air suspension kit, consider the following:

- **Loss of Air Pressure:** Check all air line connections and the air bags for leaks using soapy water. Ensure valve caps are securely tightened.
- **Uneven Ride Height:** Verify that both air springs are inflated to the same pressure. Check for obstructions or damage to the suspension components.

- **Poor Ride Quality:** Adjust air pressure within the recommended range (5-100 PSI) to suit the load and road conditions.

9. SPECIFICATIONS

Feature	Specification
Model Number	WM69LX
Load Leveling Capacity	Up to 7500 lbs
Adjustable Air Pressure	5 - 100 PSI
Material (Air Springs)	Multi-ply Natural Rubber (4.5-5mm thickness)
Material (End Caps)	High-Strength ST12 Steel
Material (Mounting Brackets)	Plastic-sprayed Q235 Steel
Bolt Treatment	Dacromat Anti-Rust
Item Weight	43.1 pounds
Product Dimensions	16.77 x 13.9 x 11.14 inches

10. WARRANTY AND SUPPORT

maXpeedingrods provides the following support for this product:

- **Warranty:** 12 Months Warranty. Replacement is available within 12 months for quality issues.
- **Customer Service:** 24/7 customer service and support.
- **Technical Support:** Lifetime technical support.

Buy With Confidence

As a seller and manufacturer, maXpeedingrods has been tirelessly researching and producing high-performance auto parts



**Thorough
Quality Control
Standard**



**Millions of
Extensive
Product Tests**



**Experienced
Engineers
and Skilled
Technicians**

Image: An illustration emphasizing maXpeedingrods' commitment to quality through thorough testing, extensive product tests, and experienced engineers.

For further assistance, please contact maXpeedingrods customer support.



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