**maXpeedingrods IE22VZ**

# maXpeedingrods 5000 lbs Rear Air Suspension Bags Kit

Model: IE22VZ

## 1. Product Overview

The maXpeedingrods 5000 lbs Rear Air Suspension Bags Kit is engineered to enhance the stability, comfort, and load-carrying capability of your vehicle. This kit is specifically designed for GMC Sierra and Chevrolet Silverado 2500HD 3500HD 4WD models from 2020-2025. It is not compatible with ZR2 or AT4X models, nor commercial chassis vehicles.

The system provides up to 5,000 pounds of load leveling capacity, allowing for air pressure adjustments from 5 to 100 PSI to suit various road conditions and load requirements. An internal jounce bumper is integrated into the air spring to prevent damage when driving with an empty air spring and to provide additional stability during heavy towing or hauling.



Image 1.1: Overview of the maXpeedingrods 5000 lbs Rear Air Suspension Bags Kit, showing the air bags, mounting brackets, air lines, and various hardware components.




Image 1.2: Compatibility chart detailing the specific GMC Sierra and Chevrolet Silverado 2500HD and 3500HD 4WD models supported by this air suspension kit.

## 2. Setup and Installation

Proper installation is crucial for the safe and effective operation of your air suspension kit. It is highly recommended to consult the detailed installation manual provided with your kit for step-by-step instructions and safety precautions. A digital version of the installation manual can be found here.

### 2.1 Package Contents

Before beginning installation, verify that all components are present and undamaged. The kit includes:

- Two (2) Air Bags
- Upper and Lower Mounting Brackets
- Air Line Tubing
- Roll Plates
- All necessary Installation Hardware (bolts, nuts, washers, air fittings, zip ties, etc.)

- Installation Manual




Image 2.1: A visual breakdown of the package contents, including air bags, mounting hardware, air lines, and the installation manual.

### 2.2 General Installation Notes

Installation typically involves mounting the air springs and brackets to the vehicle's frame and axle, routing the air lines, and connecting them to the air springs. Ensure the vehicle is safely supported on jack stands or a lift during installation. Follow all torque specifications provided in the manual for fasteners. Professional installation is recommended if you are unfamiliar with automotive suspension systems.

## 3. Operating Instructions

The maXpeedingrods air suspension kit is designed to be adjustable, allowing you to optimize your vehicle's ride height and load support based on current conditions. The system operates by adjusting the air pressure within the air springs.

## 3.1 Air Pressure Adjustment

The air springs can be inflated or deflated to achieve the desired ride characteristics. The recommended operating pressure range is **5 PSI to 100 PSI**. Always ensure that the air pressure in both air springs is balanced for optimal stability and handling.

- **Increased Pressure:** Use higher air pressure when carrying heavy loads or towing to prevent vehicle squat, reduce trailer sway, and eliminate bottoming out. This provides extra stability and improved handling.
- **Decreased Pressure:** Lower air pressure when the vehicle is unloaded or for a softer ride, within the minimum recommended pressure of 5 PSI.




Image 3.1: Visual demonstration of how the air suspension kit levels the vehicle when loaded, preventing rear-end sag and improving towing dynamics.

Image 3.2: Illustrates how proper load leveling with the air suspension kit helps maintain correct headlight aim, enhancing visibility and safety.

## 4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your maXpeedingrods air suspension kit.

### 4.1 Routine Checks

- **Air Pressure:** Periodically check the air pressure in your air springs, especially before and after hauling or towing. Maintain pressure within the 5-100 PSI range.
- **Visual Inspection:** Regularly inspect the air springs, air lines, and all connections for any signs of wear, damage, or leaks. Look for cracks, chafing, or loose fittings.
- **Cleanliness:** Keep the air springs and surrounding components clean from dirt, debris, and road salt, which can degrade materials over time.

### 4.2 Durability Features

The air springs are crafted from multi-ply rubber with a thickness of 4-4.5mm, ensuring superior sealing and enhanced durability. This construction provides excellent resistance to wear and tear, preventing leaks and contributing to a long-lasting, smooth ride.




Image 4.1: Depiction of the air spring's durability, having undergone over 5 million stress tests to ensure reliability.



Image 4.2: Illustrates the internal jounce bumper for extra protection and the robust construction of the air springs for enhanced durability.

## 5. Troubleshooting

This section addresses common issues you might encounter with your air suspension kit.

### 5.1 Common Issues and Solutions

- **Air Leak:**
  - *Symptom:* Air springs lose pressure quickly.
  - *Solution:* Check all air line connections for tightness. Use a soapy water solution to spray on connections and the air bag surface; bubbles indicate a leak. Tighten fittings or replace damaged components.
- **Uneven Ride Height:**
  - *Symptom:* One side of the vehicle is lower than the other.
  - *Solution:* Verify that both air springs are inflated to the same pressure. Check for obstructions or damage to the suspension components on the lower side.
- **Vehicle Bottoming Out (Unloaded):**
  - *Symptom:* Harsh ride or clunking noise when driving over bumps without a load.
  - *Solution:* Ensure air springs maintain a minimum of 5 PSI, even when unloaded. The internal jounce bumper provides protection in these scenarios.

If issues persist, refer to the detailed installation manual or contact customer support.

## 6. Specifications

| Feature | Specification |
|---|---|
| Load Leveling Capacity | Up to 5,000 lbs |
| Adjustable Air Pressure | 5 to 100 PSI |
| Product Dimensions | 18.5 x 12.99 x 11.02 inches |
| Item Weight | 39.7 pounds |
| Manufacturer Part Number | IE22VZ |
| Position | Rear |
| Material | Multi-ply rubber (4-4.5mm thickness) |




Image 6.1: Technical drawing of the air spring bag, indicating its dimensions and a capacity of 2500 LBS per bag.

Image 6.2: Illustrates different load capacities of air springs, with this kit specifically providing 5000 lbs of load leveling capability.

## 7. Warranty and Support

maXpeedingrods is committed to providing high-quality products and excellent customer service.

### 7.1 Warranty Information

This product comes with a **12-month warranty**. Replacement is available within 12 months for quality issues. Please retain your proof of purchase for warranty claims.

### 7.2 Customer Support

maXpeedingrods offers **24/7 customer service and support**, along with **lifetime technical support**. For any inquiries, technical assistance, or warranty claims, please contact our support team through the official

maXpeedingrods channels.




Image 7.1: The maXpeedingrods logo, representing the brand's commitment to performance and customer satisfaction since 2006.

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