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› maXpeedingrods 7500 lbs Air Suspension Bags Kit for Ford F-250 F-350 F-450 Super Duty 4WD 2017-2019 Air Helper Spring Kit User Manual

maXpeedingrods JO21UK

maXpeedingrods Air Suspension Bags Kit User Manual

Brand: maXpeedingrods | Model: JO21UK

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your maXpeedingrods 7500 lbs Air Suspension Bags Kit. This kit is engineered to enhance your vehicle's load-carrying capabilities, improve ride comfort, and maintain vehicle stability when towing or hauling heavy loads.



Image 1.1: Complete maXpeedingrods Air Suspension Bags Kit with all components.



Image 1.2: Illustration of a truck with a trailer, highlighting the benefits of the air suspension kit for heavy loads.

Your browser does not support the video tag.

Video 1.1: An overview video demonstrating the benefits and manufacturing quality of maXpeedingrods Air Helper Spring Kits. This video covers why to install towing air spring kits, the benefits of maXpeedingrods products, and the quality control processes.

2. COMPATIBILITY

This air suspension kit is specifically designed for the following Ford Super Duty 4WD models:

- Ford F-250: 2017-2019
- Ford F-350: 2017-2019
- Ford F-450: 2017-2022

Important Note: Compatible with 4WD models with factory in-bed hitch system only. Does not fit for the Commercial chassis.

COMPATIBILITY



Make	Model
For Ford	F-250 Super Duty 4 Wheel Drive
For Ford	F-350 Super Duty 4 Wheel Drive
For Ford	F-450 Super Duty 4 Wheel Drive

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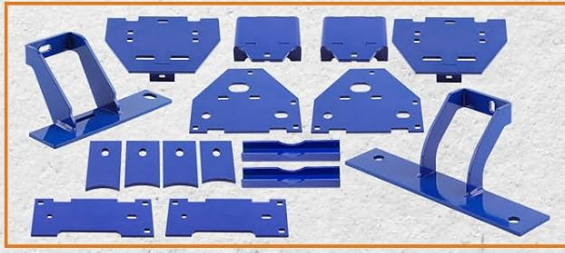
Image 2.1: Visual chart detailing the specific Ford F-Series Super Duty models compatible with this air suspension kit.

3. PACKAGE CONTENTS

Please verify that all components listed below are included in your package before beginning installation:

- 2x Heavy Duty Double Bellow Air Ride Suspension Bags
- 6x Upper and Lower Mounting Brackets
- Air Line
- All necessary Hardware (bolts, nuts, washers, air fittings, zip ties, etc.)

PACKAGE CONTENTS



Upper and lower mounting brackets



Roll plates



Air line



Air bags



All Hardware kits

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Image 3.1: Visual representation of the main components included in the air suspension kit package.



Image 3.2: A detailed layout of all brackets, hardware, air lines, and air bags included in the kit.

4. KEY FEATURES AND BENEFITS

- **Reliable Performance:** The double-bellows air springs offer greater leveling strength at lower pressures, effectively relieving pressure on your vehicle's leaf springs when carrying heavy loads.
- **Enhanced Load Capacity:** Supports up to 7500 lbs, ensuring your vehicle remains level and balanced even with significant cargo or towing.
- **Improved Ride Comfort:** Reduces harshness and provides a smoother ride, especially when loaded.
- **Better Handling Performance:** Maintains proper vehicle height and reduces body roll, improving overall control.
- **Reduced Tire Wear:** By maintaining proper vehicle stance, the kit helps distribute weight evenly, reducing uneven tire wear.

- **Durable Construction:** Air spring bags are manufactured from high-quality natural rubber with a multi-layer formula for superior pressure resistance.
- **Internal Jounce Bumper:** Provides additional protection and prevents harsh bottoming out.



Image 4.1: A detailed view of the huge 7-inch double-bellows air spring, highlighting its robust design and dimensions.

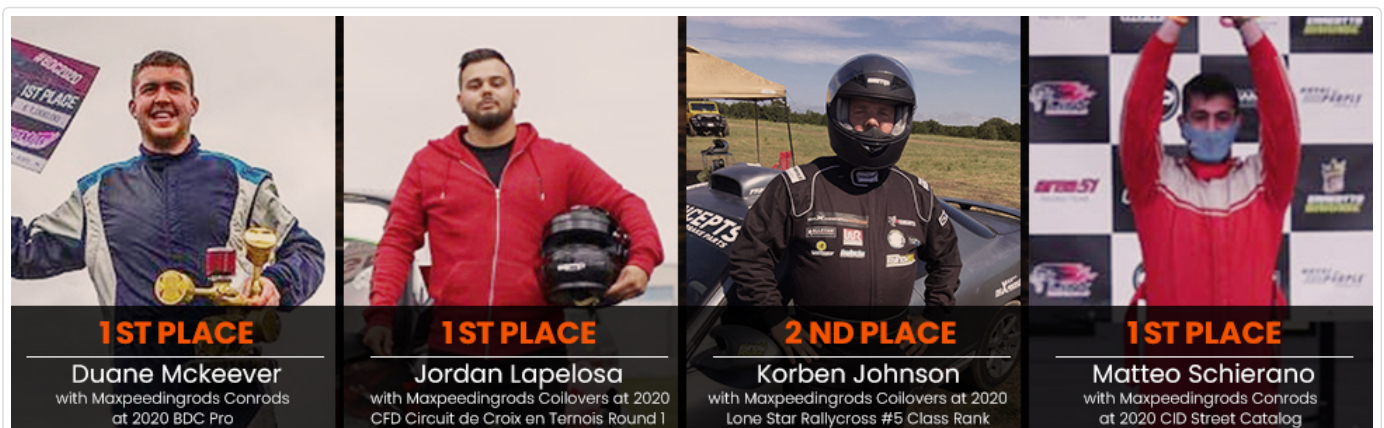


Image 4.2: Visual comparison illustrating the 20% greater air spring volume of the 7-inch air spring, contributing to higher load-leveling capacity at lower pressures.



Image 4.3: Diagram showing a truck's stance before and after loading with the air suspension kit, demonstrating improved leveling.

**TESTED MORE THAN 3
MILLION TIMES**



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Image 4.4: Illustration highlighting the durability of the air spring, tested over 3 million times.



Image 4.5: Icons illustrating the benefits of stable performance, reduced noise, and decreased tire wear provided by the air suspension kit.



Image 4.6: Diagram illustrating how the air suspension provides extra protection to the vehicle's suspension system when towing or hauling heavy loads.

5. INSTALLATION GUIDE

The maXpeedingrods Air Suspension Bags Kit features a bolt-on installation design, requiring no drilling or modification to your vehicle's frame. For detailed, step-by-step instructions, please refer to the comprehensive installation manual provided in the box or download the PDF version from the product page.

Before Installation:

- Ensure your vehicle is parked on a level surface and properly secured.
- Review the entire installation manual to familiarize yourself with the process and ensure all accessories are complete.
- Gather all necessary tools.



Image 5.1: Illustration emphasizing the ease of installation for the air suspension kit, featuring pre-assembled components.

Key Installation Steps (General Overview):

1. Securely mount the upper and lower brackets to the vehicle's frame and axle.
2. Install the air bags between the brackets.
3. Connect the air lines to the air bags and route them to the desired inflation point.
4. Perform a leak test to ensure all connections are secure.

Note: Dacromet-plated bolts are included to offer exceptional corrosion resistance and heat durability, ensuring long-lasting performance.



Image 5.2: Diagram illustrating a basic air suspension kit setup with air bags and air lines.



6. OPERATION AND CONTROL

The air suspension system allows you to adjust the air pressure in the bags to suit different load conditions, ensuring optimal ride height and stability.

Inflation/Deflation:

- Inflate the air bags to the recommended pressure when carrying heavy loads or towing.
- Deflate the air bags when the vehicle is unloaded to restore the factory ride height and comfort.
- Always refer to the specific pressure recommendations in the full installation manual.



Image 6.1: Illustration of how to control air spring inflation and deflation using a mobile app (connected via Bluetooth for iOS and Android) or a portable controller.



Image 6.2: Diagram illustrating three customizable air pressure settings (L1, L2, L3) for different load conditions, allowing for faster and simpler use.

7. MAINTENANCE AND CARE

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

- **Regular Inspection:** Periodically check air lines and connections for any signs of wear, cracks, or leaks.
- **Cleanliness:** Keep the air bags and surrounding components free from dirt, debris, and corrosive materials.
- **Pressure Monitoring:** Regularly check and maintain appropriate air pressure based on your load requirements. Avoid over-inflation or under-inflation.

8. TROUBLESHOOTING COMMON ISSUES

If you encounter any issues with your air suspension kit, consider the following common problems and potential solutions:

- **Vehicle Sagging/Bottoming Out:** Check air pressure and for potential leaks in the air lines or bags. Ensure the kit is properly inflated for the load.
- **Light Steering Feel:** This can occur if the front of the vehicle lifts due to an unbalanced load. Adjust air pressure to level the vehicle.
- **Rough Ride:** Over-inflation can lead to a harsh ride. Reduce air pressure to the recommended level for the current load.
- **Trailer Sway:** Improperly inflated air bags or an unbalanced load can contribute to trailer sway. Ensure proper inflation and load distribution.

For persistent issues, consult the full installation manual or contact customer support.



Image 8.1: Diagram showing a truck with a heavy load experiencing 'bottoming out' without proper suspension support.

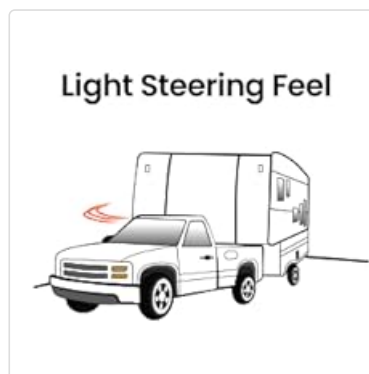


Image 8.2: Diagram illustrating a 'light steering feel' issue that can occur when towing without adequate rear suspension support.

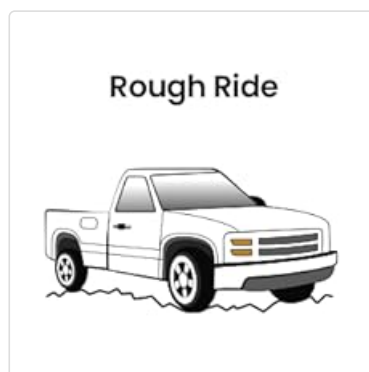


Image 8.3: Diagram illustrating a 'rough ride' condition, often caused by an improperly supported or overloaded vehicle.



Image 8.4: Diagram illustrating 'trailer sway', a stability issue that can be mitigated with proper air suspension.

9. PRODUCT SPECIFICATIONS

Brand	maXpeedingrods
Model Number	JO21UK
Item Weight	57.3 pounds
Product Dimensions	18.5 x 13.39 x 12.2 inches
Load Capacity	Up to 7500 lbs
Material	High-quality natural rubber (air bags), Dacromet-plated steel (hardware)



Image 9.1: Visual representation of different air spring types and their corresponding load capacities, including the 7500 lbs capacity of this kit.

10. WARRANTY AND CUSTOMER SUPPORT

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

- **Warranty:** maXpeedingrods warrants its products against manufacturing defects under normal use for **1 year** from the date of purchase.
- **Technical Support:** Lifetime technical support is available for all maXpeedingrods products.
- **Customer Service:** For any questions or concerns, please feel free to contact us. We aim to reply within 12 hours.



24/7 customer
service and support



12 Months Warranty
Replacement is available in
12 months for Quality Issue



Lifetime
Lifetime technical support
and customer service

Image 10.1: Icons representing the comprehensive support offered: 24/7 customer service, 12 months warranty, and lifetime technical support.

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

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