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maXpeedingrods AMF150

maXpeedingrods Rear Air Suspension Bags Kit AMF150 for Ford F-150 (2004-2014 4WD) - Installation and User Manual

Brand: maXpeedingrods | **Model:** AMF150

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your maXpeedingrods Rear Air Suspension Bags Kit. Designed to enhance stability, improve handling, and provide load-leveling capability for your Ford F-150 4WD (2004-2014), this kit ensures a safer and more comfortable ride when hauling or towing.

2. SAFETY INFORMATION

Important Pre-installation Notice:

- This product will not increase the load capacity of your vehicle.
- Do not exceed the manufacturer's recommended weight limit.
- The installation process may require drilling; professional installation is recommended to ensure personal safety.
- All modifications must be installed by qualified personnel and in compliance with your local modification regulations.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

3. PACKAGE CONTENTS

Verify all components are present before beginning installation:

- 2x Air Spring Bags
- Upper Mounting Brackets (Driver & Passenger Side)
- Lower Mounting Brackets
- Roll Plates
- Air Line Tubing (5m)
- 2x Heat Shields
- Fastening Blocks
- Spacers
- Hose Clamps
- All Necessary Hardware (bolts, nuts, washers, U-bolts, air fittings, zip ties)
- Installation Guide (Manual)
- maXpeedingrods Sticker

Stress Test Over 5,000,000 Times



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Image: All components included in the maXpeedingrods Rear Air Suspension Bags Kit.

Your browser does not support the video tag.

Video: An unboxing video detailing the contents of the maXpeedingrods Air Suspension Kit.

4. SPECIFICATIONS

Feature	Specification
Manufacturer	maXpeedingrods
Model Number	AMF150
Vehicle Fit Type	Ford F-150 4WD (2004-2014) - <i>Does NOT fit F-150 Raptor Models</i>
Item Weight	34 pounds
Product Dimensions	17.28 x 14.61 x 8.31 inches
Position	Rear
Load Leveling Capability	Up to 5,000 pounds
Air Pressure Adjustment	5 to 100 PSI
Rubber Thickness	4-4.5mm
Internal Component	Jounce Bumper

5. INSTALLATION GUIDE

Follow these steps for proper installation of your air suspension kit. Professional installation is recommended.

5.1. Pre-Installation Steps

1. Ensure the vehicle is parked on a level surface and the parking brake is engaged.
2. Lift the rear of the vehicle using a jack and secure it with jack stands.
3. Remove the rear wheels.
4. Locate and remove the factory jounce bumpers from the vehicle's frame.

5.2. Air Spring Assembly

1. Place the lower mounting cup onto the lower bracket.
2. Position an air spring onto the lower mounting cup.
3. Attach the upper bracket to the top of the air spring, ensuring proper alignment.
4. Secure the air spring to the brackets using the provided bolts and nuts.
5. Install the air line fittings onto the air springs.

Your browser does not support the video tag.

Video: Step-by-step guide on assembling the air springs with their brackets.

5.3. Vehicle Mounting

1. Carefully position the assembled air spring and bracket onto the vehicle's leaf spring.
2. Secure the lower bracket to the leaf spring using the provided U-bolts and hardware. Ensure all bolts are tightened securely.
3. Attach the upper bracket to the vehicle's frame using the appropriate bolts and hardware.
4. Connect the air lines to the air fittings on the air springs. Route the air lines to a convenient location for inflation, ensuring they are clear of moving parts and heat sources.
5. Inflate the air springs to a minimum of 5 PSI using an air compressor or manual pump.
6. Check all connections and air lines for leaks using a soapy water solution. Bubbles indicate a leak.
7. Once confirmed leak-free, reinstall the rear wheels and lower the vehicle.

6. OPERATING INSTRUCTIONS

- **Air Pressure Adjustment:** The air springs are adjustable from 5 to 100 PSI. Adjust the pressure based on the load being carried and road conditions to achieve optimal ride height and comfort.
- **Loading:** Always add air pressure to the springs before adding a load to the vehicle. This prevents the springs from bottoming out and ensures proper load distribution.
- **Minimum Pressure:** Maintain a minimum of 5 PSI in the airbags at all times, even when unloaded, to prevent damage to the air springs.
- **Towing/Hauling:** For heavy loads or towing, increase air pressure to level the vehicle, reduce squat, minimize trailer sway, and improve steering control and braking.

LOAD-LEVELING CAPACITY

UP TO
5000
LBS



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Image: Visual comparison of a truck's rear suspension before and after the air suspension kit is loaded, demonstrating load leveling.

7. MAINTENANCE

- **Regular Pressure Checks:** Check air pressure regularly, especially before and after hauling or towing, and adjust as necessary.
- **Inspect Components:** Periodically inspect the air springs, air lines, and all mounting hardware for any signs of wear, damage, or corrosion.
- **Cleanliness:** Keep the air springs and surrounding components clean from dirt, debris, and road salt to prolong their lifespan.

8. TROUBLESHOOTING

- **Air Leakage:** If you notice a loss of air pressure, check all air line connections and the air springs themselves for leaks using a soapy water solution. Tighten loose fittings or replace damaged components.
- **Uneven Ride Height:** Adjust the air pressure in individual air springs to achieve a level ride. Ensure both sides are inflated to the appropriate pressure for the load.
- **Reduced Performance:** Verify that the air pressure is within the recommended 5-100 PSI range. Inspect for any obstructions or damage to the air springs or mounting hardware.

9. WARRANTY & SUPPORT

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

- **Warranty:** A 12-month warranty is provided for quality issues, with replacement available within this period.
- **Customer Support:** Enjoy 24/7 customer service and support.
- **Technical Support:** Lifetime technical support and customer service are available for all maXpeedingrods products.

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