

maXpeedingrods AB22AB

maXpeedingrods Rear Air Suspension Bag Kit User Manual

MODEL: AB22AB

For Ford F-250 F-350 Super Duty 2011-2016, F-450 2011-2014 4WD

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your maXpeedingrods Rear Air Suspension Bag Kit. Designed to enhance your vehicle's load-carrying capabilities and improve ride quality, this kit is a valuable upgrade for heavy-duty applications. Please read all instructions carefully before proceeding with installation or use.

2. Applications & Fitment

This air suspension kit is designed for the following vehicle models:

- Ford F250 F350 Super Duty 4WD 2011-2016
- Ford F450 Super Duty 4WD 2011-2014

Fitment Notice:

- Does not fit for cab & chassis models.
- Compatible with Single/Dual Rear Wheel (SRW, DRW) models.
- Suitable for many 3/4 ton and 1 ton pickups or vans within the specified models and years.

3. Package Contents

Your maXpeedingrods Rear Air Suspension Bag Kit includes the following components:

- 2 x Air springs
- Air lines
- Valve
- Mounting Brackets (Upper and Lower)
- All necessary Hardware (bolts, nuts, washers, zip ties, etc.)
- Roll plates

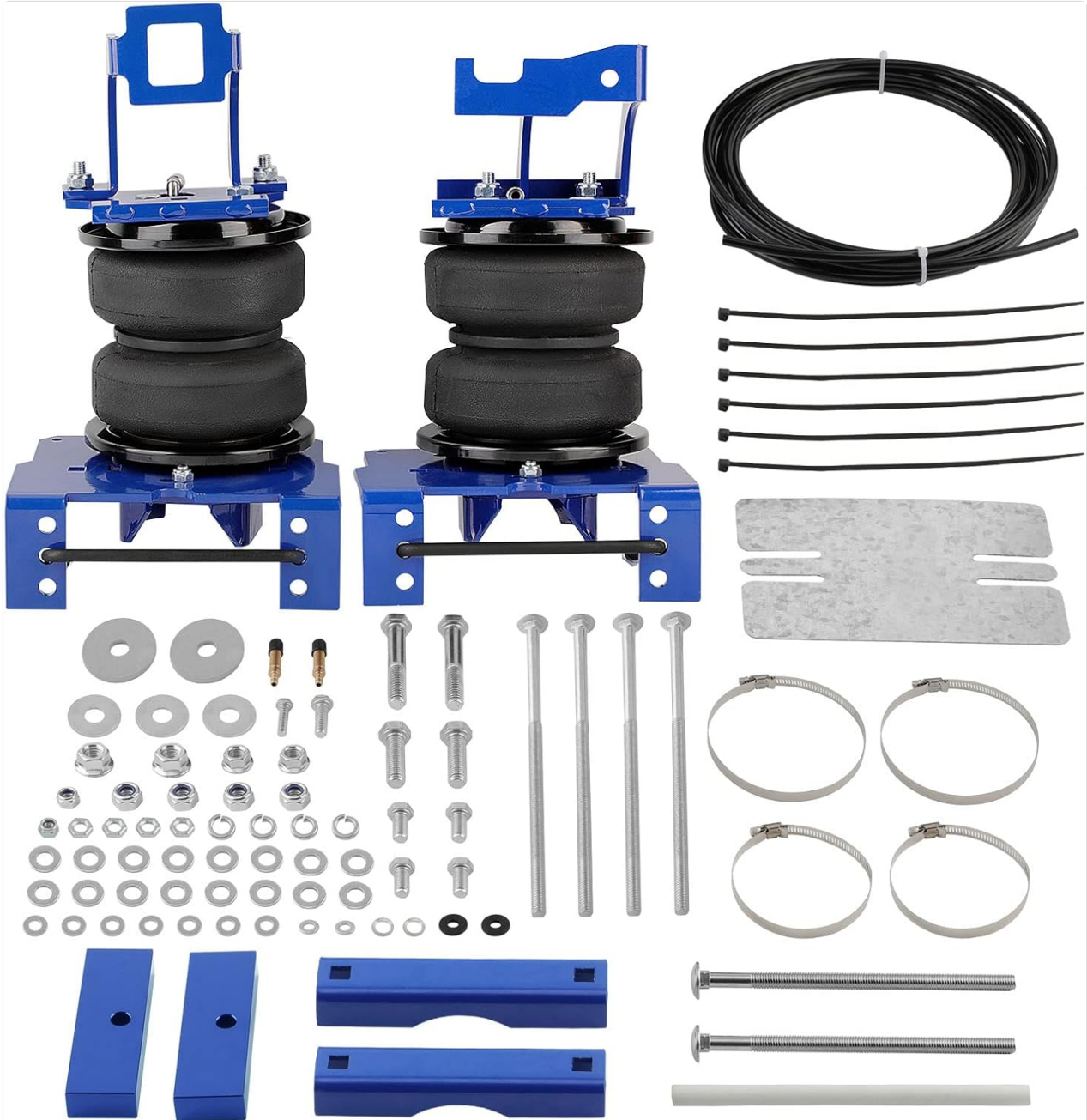
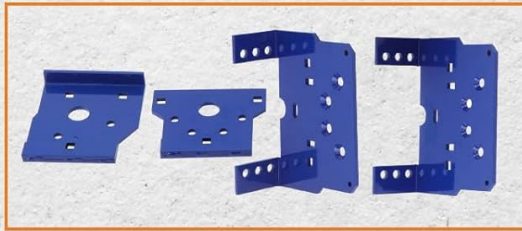


Figure 3.1: Complete contents of the maXpeedingrods air suspension kit, including air bags, mounting hardware, air lines, and valve.

PACKAGE CONTENTS



Upper and lower mounting plates



Roll plates



Air lines



Air bags



All hardware kits

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Figure 3.2: Detailed breakdown of the kit's components, illustrating the upper and lower mounting plates, roll plates, air lines, air bags, and various hardware kits.

4. Product Features & Benefits

- **Load Leveling Capacity:** Provides up to 5,000 pounds of load leveling capacity, ensuring a comfortable and stable ride even when hauling heavy loads.
- **Internal Jounce Bumper:** Features an internal jounce bumper to prevent the air spring suspension kit from being completely compacted due to impacts from heavy objects, potholes, curbs, or road debris. This offers extra protection and extends the lifespan of the air springs.
- **Adjustability:** Air pressure is adjustable from 10 to 100 PSI, allowing you to customize the ride for varying loads and conditions.
- **Durable Construction:** Air spring bags are made from high-quality natural rubber with a multi-layer formula for superior pressure resistance. Mounting kits are constructed from high-quality Q235 steel and painted for waterproofing and rustproofing. Dacromet-plated bolts offer exceptional corrosion resistance and heat durability.

INTERNAL JOUNCE BUMPER

Prevent the abrupt bottoming-out of the suspension at full compression



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Figure 4.1: The air suspension kit provides up to 5,000 lbs of load-leveling capacity, ensuring stability for heavy loads.

LOAD-LEVELING CAPACITY

UP TO
5000
LBS



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Figure 4.2: Air springs are constructed from durable ST12 steel, offering good ductility and protection against abrasion.

ADJUSTABILITY

Air adjustable from 10 to 100 PSI



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Figure 4.3: The air suspension system allows for air pressure adjustment from 10 PSI to 100 PSI for optimal performance.

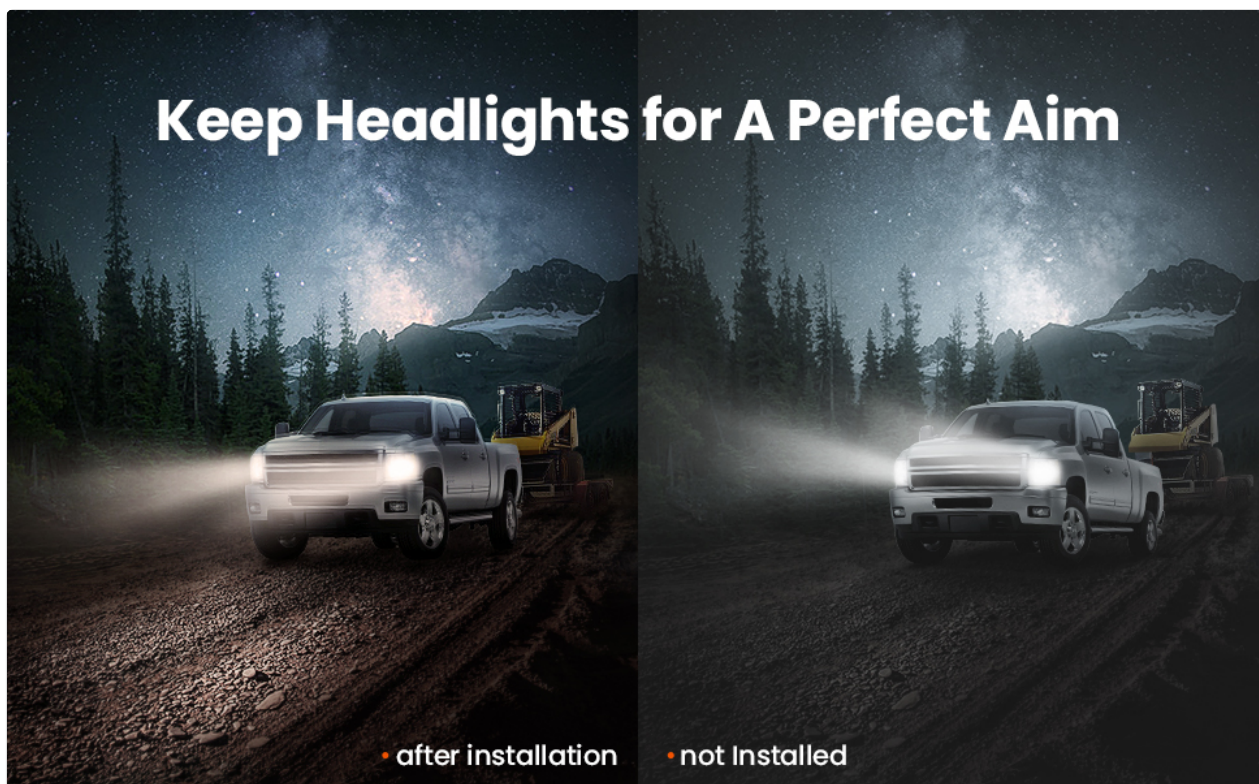


Figure 4.4: Visual comparison of a truck with a trailer, showing the improved leveling and stability achieved after installing the air suspension kit.



Figure 4.5: Proper vehicle leveling with the air suspension kit helps maintain correct headlight aim, improving visibility and safety.

5. Setup & Installation

While detailed printed instructions are not included in the package, a comprehensive Installation Manual (PDF) is available online. We highly recommend consulting this document for step-by-step guidance specific to your vehicle model.

Download the Official Installation Manual (PDF): [Click Here to Download](#)

For a visual guide and additional insights into the product's features and installation process, please refer to the official product video below:

Video 5.1: "Buy With Confidence - maXpeedingrods Air Helper Spring Kits". This video provides an overview of the product's benefits, manufacturing quality, and snippets of the installation process, including material quality and air-tightness inspection.

General Installation Notes:

- Ensure the vehicle is safely supported on jack stands or a lift before beginning any work.
- Follow all torque specifications provided in the PDF manual for fasteners.
- Route air lines carefully to avoid sharp edges, heat sources, and moving parts.
- Perform a leak test after installation by inflating the air springs and applying a soapy water solution to all connections.

6. Operating Instructions

The maXpeedingrods air suspension kit is designed for simple operation, primarily through adjusting the air pressure in the air springs.

- **Inflation:** Use an air compressor to inflate the air springs through the provided valve. The recommended operating pressure range is 10 PSI (minimum) to 100 PSI (maximum).
- **Deflation:** To lower the vehicle or reduce stiffness, release air from the valve.
- **Load Adjustment:** Adjust air pressure based on the load being carried. Higher loads typically require higher air pressure to maintain proper vehicle height and stability.
- **Driving Conditions:** For optimal ride comfort and handling, adjust pressure according to road conditions and personal preference, always staying within the 10-100 PSI range.

7. Maintenance

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

- **Regular Inspection:** Periodically inspect the air springs, air lines, and all connections for signs of wear, damage, or leaks. Check for cracks in the rubber, loose fittings, or kinks in the air lines.
- **Cleanliness:** Keep the air springs and surrounding components clean from dirt, debris, and corrosive materials.
- **Pressure Check:** Check air pressure regularly, especially before and after hauling heavy loads, to ensure it is within the recommended operating range.
- **Hardware Check:** Periodically re-torque all mounting hardware to ensure proper tightness.

8. Troubleshooting

If you encounter issues with your air suspension kit, refer to the following common problems and solutions:

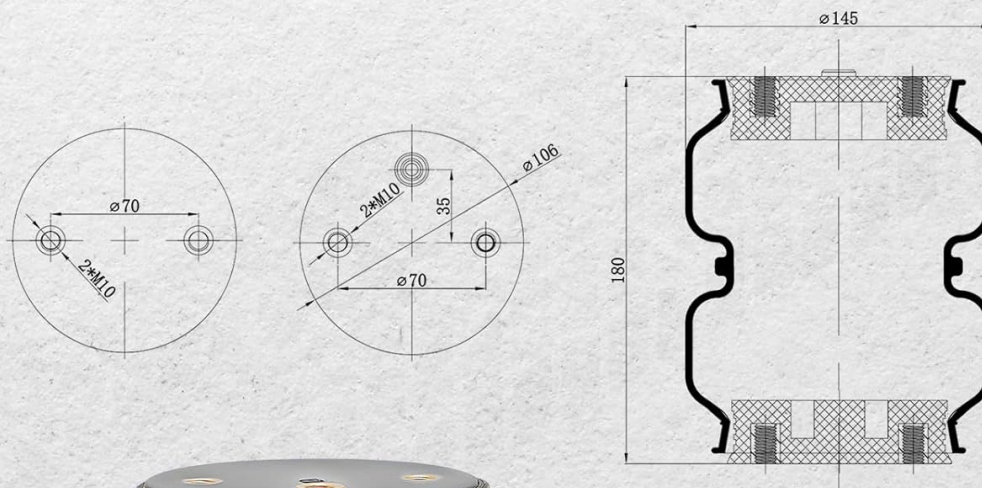
| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|---|---|---|
| Air spring not holding pressure / Leaking | Loose air line connection, damaged air line, punctured air bag, faulty valve. | Check all connections for tightness. Inspect air lines for kinks or cuts. Apply soapy water to air bag and connections to locate leaks. Replace damaged components. |
| Uneven vehicle leveling | Unequal air pressure in air springs, improper installation. | Ensure both air springs are inflated to the same pressure. Re-check installation to confirm proper alignment and secure mounting. |
| Kit does not fit / Missing parts | Incorrect model application, shipping error. | Verify vehicle compatibility with the product specifications. Contact maXpeedingrods customer support immediately for assistance with missing or incorrect parts. |

If you are unable to resolve an issue using the troubleshooting steps above, please contact maXpeedingrods customer support for further assistance.

9. Specifications

| Attribute | Detail |
|--------------------------|----------------------------|
| Brand | maXpeedingrods |
| Item Weight | 34.2 pounds |
| Product Dimensions | 22.83 x 7.87 x 8.07 inches |
| Item Model Number | air suspension bags kit |
| Manufacturer Part Number | AB22AB |
| Position | Rear |
| Load Leveling Capacity | Up to 5,000 pounds |
| Adjustable Air Pressure | 10 PSI to 100 PSI |



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Figure 9.1: Technical drawing detailing the dimensions and mounting specifications of the air spring.

10. Warranty & Support

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

- **Warranty:** The product comes with a 12-month warranty. Replacement is available within 12 months for quality issues.
- **Customer Service:** Enjoy 24/7 customer service and support.
- **Technical Support:** Lifetime technical support is provided for your product.



Figure 10.1: maXpeedingrods offers comprehensive support including 24/7 customer service, a 12-month warranty, and lifetime technical assistance.

For any inquiries or support needs, please visit the official maXpeedingrods store or contact their customer service directly.