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> maXpeedingrods Air Suspension Spring Bag Kit Instruction Manual for Fiat Ducato, Peugeot Boxer, Citroen Relay/Jumper (Model AT68OF)

maXpeedingrods AT68OF

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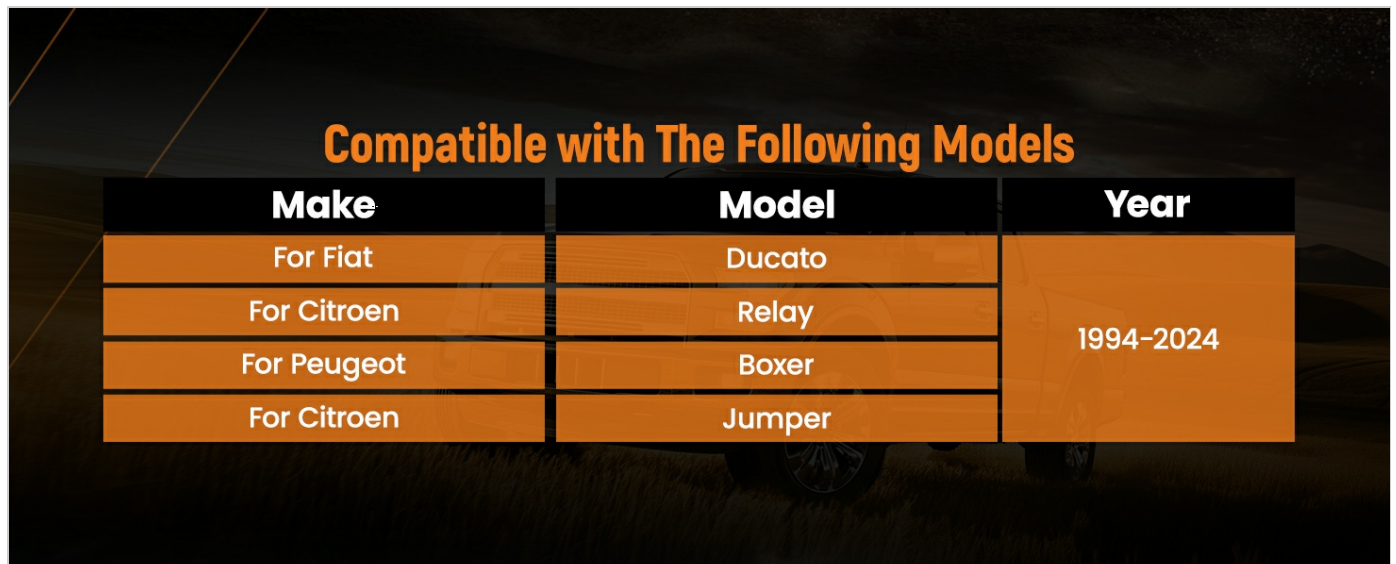
Model: AT68OF

1. PRODUCT OVERVIEW

This manual provides instructions for the maXpeedingrods Air Suspension Spring Bag Kit, designed to enhance vehicle stability and load-carrying capacity. This kit is compatible with various models, including:

- Fiat Ducato (1994–2024)
- Citroen Relay / Jumper (1994–2024)
- Peugeot Boxer (1994–2024)

It supports both single and twin rear wheels, and FWD or RWD chassis configurations. The system features a dual-panel gauge for precise control and dual-channel inflation.



Compatible with The Following Models

Make	Model	Year
For Fiat	Ducato	1994–2024
For Citroen	Relay	
For Peugeot	Boxer	
For Citroen	Jumper	

Image 1.1: Vehicle Compatibility Chart. This chart details the compatible makes, models, and years for the air suspension kit, including Fiat

2. PACKAGE CONTENTS

Before beginning installation, verify that all components listed below are present in your kit:

- Air Suspension Bags (2 units)
- Upper and Lower Mounting Brackets
- Air Compressor
- Dual-Panel Gauge
- 14m Air Line
- Fittings and Connectors
- Mounting Hardware (bolts, washers, nuts)
- Installation Manual



Image 2.1: Kit Components. This image displays all parts included in the air suspension kit, such as air bags, mounting brackets, pressure gauges, air lines, compressor, and various hardware.

3. SETUP AND INSTALLATION

The maXpeedingrods Air Suspension Spring Bag Kit features a bolt-on design for straightforward installation. However, if you are not confident with automotive modifications, professional installation is recommended.

3.1 Installation Steps Overview

1. **Prepare the Vehicle:** Ensure the vehicle is safely supported on jack stands or a lift. Disconnect the battery.
2. **Remove Existing Components:** Carefully remove any existing suspension components that will be replaced by the air spring bags.
3. **Mount Air Spring Bags:** Install the air spring bags using the provided upper and lower mounting brackets and hardware. Ensure all bolts are securely tightened to the manufacturer's specifications.
4. **Install Air Compressor:** Mount the air compressor in a suitable location, typically near the battery or under the vehicle, ensuring it is protected from elements.
5. **Route Air Lines:** Connect the 14m air line from the air spring bags to the compressor and the dual-panel gauge. Ensure lines are routed away from hot or moving parts and secured with clips. The system supports dual-channel inflation, allowing independent control of each air bag.
6. **Wire Electrical Connections:** Connect the compressor to the vehicle's electrical system, typically directly to the battery with an inline fuse. Connect the gauge wiring as per the detailed instructions in the included manual.
7. **Leak Test:** After installation, perform a thorough leak test as described in Section 4.1.
8. **Final Checks:** Reconnect the battery, lower the vehicle, and check for proper operation and clearance.



Image 3.1: Dual-Path System Diagram. This diagram illustrates the connection of the air spring bags, air compressor, panel gauge, and wiring harness to the vehicle battery, highlighting the dual-path air line system.

Rigorous Factory Testing Process



100% Airtightness Test
No air leakage anxiety



Fatigue Testing Over 5,000,000 Times
Strict quality control standards, more comfort and safety



Burst Pressure $\geq 2.0\text{MPa}$
Higher compressive strength without detachment



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Image 3.2: Bolt-On Installation. This image shows an air spring bag securely mounted to a vehicle's chassis using bolts, demonstrating the straightforward bolt-on installation method.

3.2 Video Guide

For a visual guide on the installation process and product features, please refer to the following video:

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Video 3.1: maXpeedingrods Air Spring Bag Suspension Kit Overview. This video provides an overview of the air spring bag suspension kit, demonstrating its components and aspects of the installation process for Fiat vehicles.

4. OPERATING INSTRUCTIONS

The air suspension system allows for adjustable ride height and improved stability, especially when carrying heavy loads or towing.

4.1 Adjusting Air Pressure

- Use the dual-panel gauge to monitor and adjust the air pressure in each air spring bag independently.
- Increase air pressure to raise the vehicle's rear end and provide additional support for heavy loads, preventing sag and improving handling.
- Decrease air pressure to lower the vehicle's rear end or when driving without a load for a softer ride.
- The system supports up to 4000kg (approximately 8800 lbs) of load. Always adhere to your vehicle's maximum gross vehicle weight rating (GVWR).



Image 4.1: Load Leveling Comparison. This diagram illustrates the difference in vehicle stance before and after loading with and without the air suspension kit, highlighting how the air springs maintain a level ride height.

5. MAINTENANCE

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

5.1 Routine Checks

- **Visual Inspection:** Periodically inspect the air spring bags, air lines, and connections for any signs of wear, damage, or leaks.
- **Air Pressure Monitoring:** Regularly check the air pressure in the bags, especially before and after carrying heavy loads.
- **Cleanliness:** Keep the air compressor and air lines free from dirt and debris.

5.2 Leak Prevention and Detection

Proper installation is crucial to prevent leaks. If a leak is suspected:

- Ensure air lines are cut cleanly and squarely to create a smooth, tight seal when inserted into fittings.
- Verify that all air lines are properly placed and routed, avoiding kinks or sharp bends.
- Use a spray bottle filled with soapy water to spray all fittings and the air bag itself. Bubbles will indicate a leak.

Package Contents



Upper and Lower Mounting Brackets



Air Compressor



Panel Gauge



Air Line



Air Suspension Bags



Installation Manual



Hardware Kits



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Image 5.1: Leak Prevention and Detection. This image demonstrates how to ensure a smooth air line cut and how to use soapy water to identify leaks in the air suspension system.

6. TROUBLESHOOTING

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

6.1 Common Issues and Solutions

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Air bag not inflating	No power to compressor, kinked air line, faulty compressor, leak in system.	Check electrical connections and fuse. Inspect air lines for obstructions. Test compressor. Perform leak test (Section 5.2).
Air bag deflates over time	Air leak in system (fittings, air bag, air line).	Perform a thorough leak test (Section 5.2) to pinpoint and repair the leak.
Uneven ride height	Unequal air pressure in bags, uneven load distribution.	Adjust air pressure in individual bags using the dual-panel gauge. Redistribute load if possible.
Compressor not turning on	Blown fuse, loose wiring, faulty switch.	Check and replace fuse if necessary. Inspect all electrical connections. Test the switch.

7. SPECIFICATIONS

Key technical specifications for the maXpeedingrods Air Suspension Spring Bag Kit:

- **Model Number:** AT68OF
- **Vehicle Compatibility:** Fiat Ducato, Peugeot Boxer, Citroen Relay/Jumper (1994-2024)
- **Load Capacity:** Up to 4000 kg (approx. 8800 lbs)
- **Air Spring Stroke:** 140 mm
- **Burst Pressure:** ≥ 2.0 MPa
- **Construction:** 4-layer reinforced rubber, premium steel end caps (ST12 steel), Dacromet anti-rust treated bolts
- **Testing:** Over 5 million cycles fatigue testing, 100% airtightness test
- **Product Dimensions:** 41.9 x 34 x 27.4 cm
- **Item Weight:** 13.3 kg
- **Position:** Rear Left, Rear Right

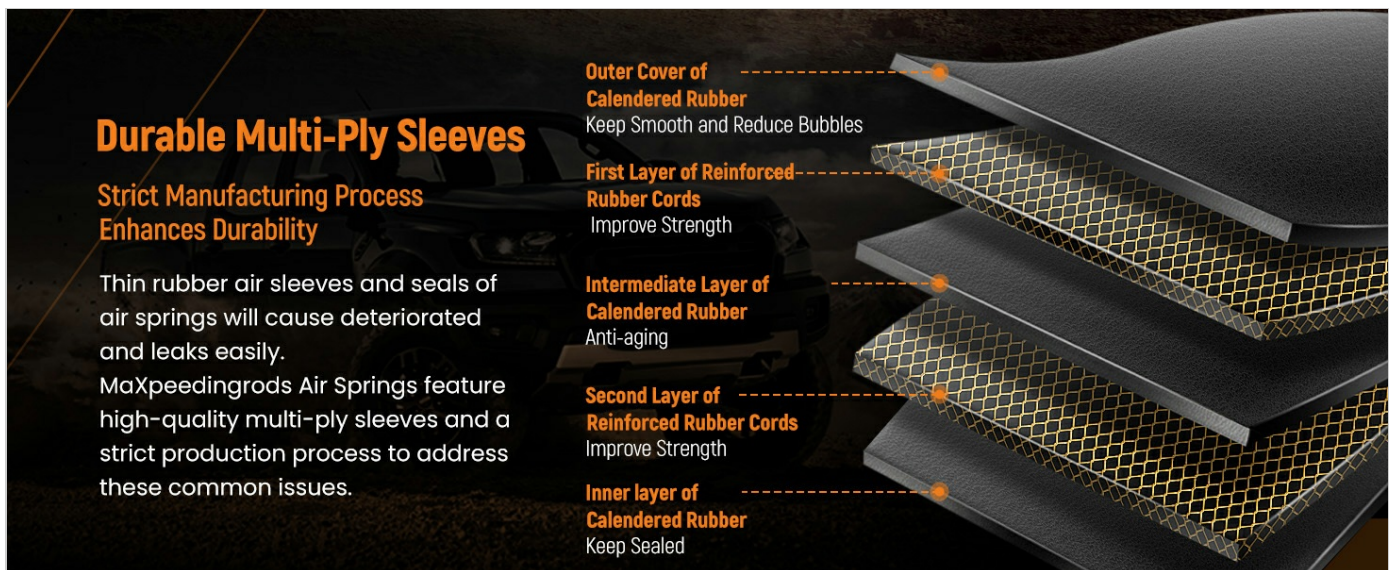


Image 7.1: Durable Multi-Ply Sleeve Construction. This cross-section diagram illustrates the layered structure of the air spring bags, including the outer cover, reinforced rubber cords, and intermediate layers, designed for durability and pressure resistance.

8. WARRANTY AND SUPPORT

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

- **Warranty:** A 12-month warranty is provided for quality issues, offering replacement within this period.
- **Customer Service:** 24/7 customer service and support are available.
- **Technical Support:** Lifetime technical support is offered for the product.

For assistance, please contact maXpeedingrods customer support through their official channels.

