maXpeedingrods BZ91XJ

maXpeedingrods Rear Lower Adjustable Camber Arms Instruction Manual

Model: BZ91XJ

1. Product Overview

The maXpeedingrods Rear Lower Adjustable Camber Arms are designed to replace worn factory control arms and enhance vehicle suspension performance. These arms allow for precise camber adjustment, which is crucial for maintaining proper tire wear and handling, especially on lowered vehicles or those used for track racing.

Constructed from high-strength steel, the control arms are powder-coated for resistance against rust and corrosion. They feature pre-installed rubber bushings to ensure a smooth ride quality without compromising performance.

Image 1.1: Overview of the maXpeedingrods Rear Lower Adjustable Camber Arms and product packaging.

2. Compatibility

These adjustable camber arms are compatible with the following BMW models:

- **E36 3-Series (1992-1998):** 318i, 318is, 318ic, 320i, 323i, 323ic, 323is, 325i, 325is, 325ic, 328i, 328is, 328ic, M3 (*Excludes 318ti*)
- **E46 3-Series (1999-2005):** 320i, 323i, 323ci, 323cic, 325i, 325ci, 325cic, 325xi, 328i, 328ci, 328cic, 330i, 330ci, 330cic, M3
- **E83 X3 (2003-2010):** 2.5i, 2.5si, 3.0i, 3.0si
- **E85 & E86 Z4 (Excludes M-Coupe):** 2.5i, 2.5si, 3.0i, 3.0si, M-Roadster
- **E89 Z4 (2009-Present):** 30i, 35i, 35is

Image 2.1: Visual representation of compatible BMW models for the camber arms.

3. Setup and Installation

These camber arms are designed as a direct replacement for your vehicle's worn-out factory rear control arms. Proper installation is essential for safety and optimal performance. It is recommended that installation be performed by a qualified mechanic or an individual with experience in automotive suspension systems.

While detailed step-by-step instructions are not provided in this manual, the general process involves:

1. Safely lifting and securing the vehicle.
2. Removing the existing rear lower control arms.
3. Installing the new maXpeedingrods adjustable camber arms, ensuring all fasteners are torqued to manufacturer specifications.
4. After installation, a professional wheel alignment is mandatory to set the desired camber and toe angles and ensure correct vehicle handling and tire wear.

Image 3.1: Diagram illustrating the position of the rear lower control arms for installation.

4. Operating and Adjustment

The primary function of these adjustable camber arms is to allow fine-tuning of the rear wheel camber angle. The adjustment range is from **-1.0° to +3.0°**, and the adjustable length of the arm is between**544-576 mm**.

Camber adjustment is typically performed during a wheel alignment. The arms feature a threaded body that allows for length changes, thereby altering the camber angle. Adjustments should be made incrementally and checked with appropriate alignment equipment.

Image 4.1: Diagram detailing the adjustable length of the camber arm, ranging from 525-570 mm (20.67-22.44 inches).

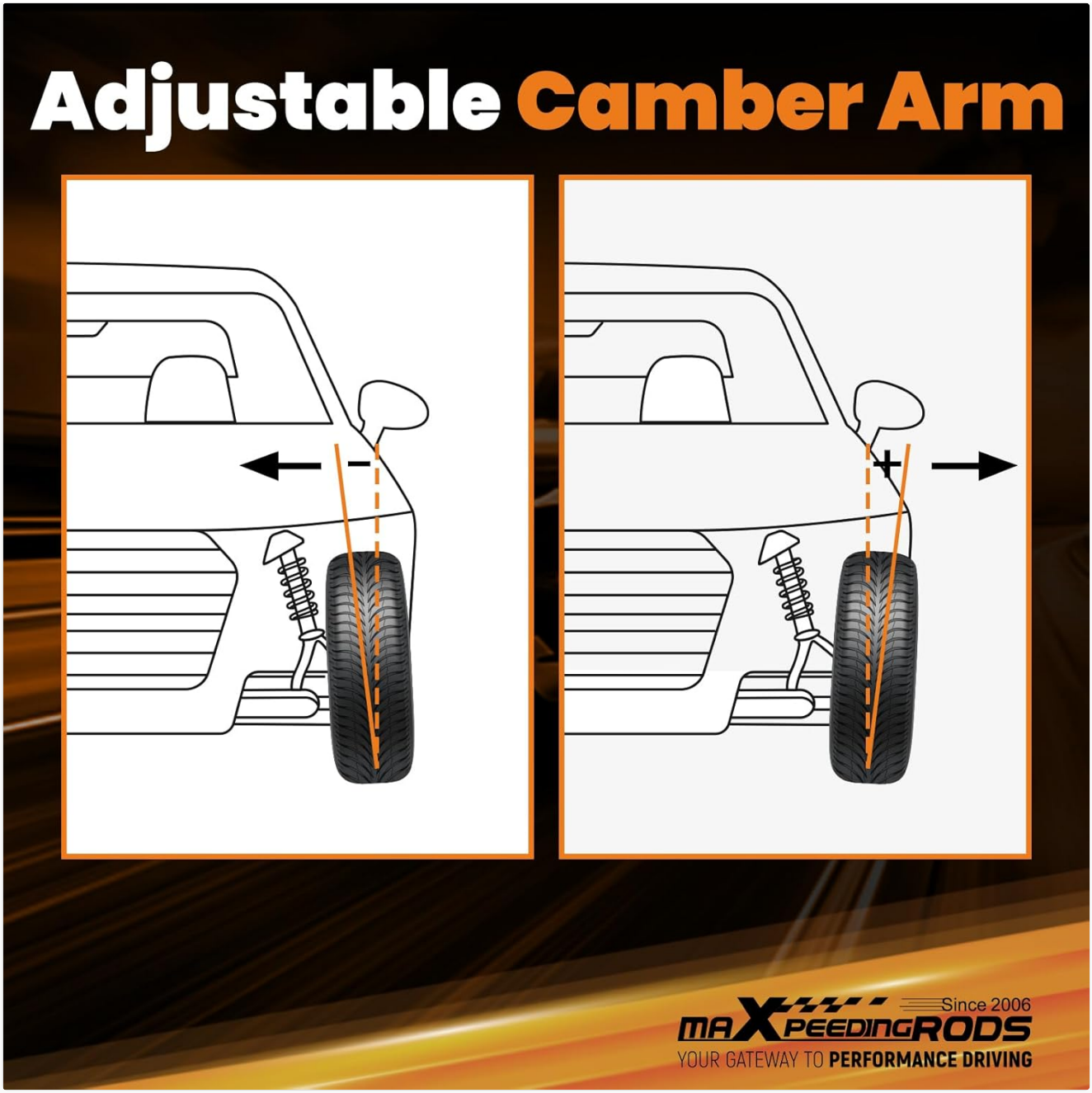

Image 4.2: Visual explanation of how camber adjustment affects tire angle relative to the road surface.

5. Maintenance

To ensure the longevity and continued performance of your maXpeedingrods adjustable camber arms, regular inspection and maintenance are recommended:

- **Regular Inspection:** Periodically check the control arms for any signs of damage, bending, or corrosion.
- **Fastener Checks:** Ensure all bolts and nuts are securely tightened. Loose fasteners can lead to noise, poor handling, and premature wear.
- **Bushing Condition:** Inspect the rubber bushings for cracks, tears, or excessive wear. While designed for durability, extreme conditions can accelerate wear.
- **Cleanliness:** Keep the arms free from excessive dirt and debris, especially around the adjustment threads, to prevent seizing.

6. Troubleshooting

Certain symptoms indicate that your suspension components, including control arms, may require inspection or replacement:

- **Clunking Noise:** A noticeable clunking or knocking sound, especially over bumps, can indicate worn bushings or loose components.
- **Steering Wander:** If the vehicle tends to drift or pull to one side, requiring constant steering correction, it could be due to worn suspension parts or incorrect alignment.
- **Uneven Tire Wear:** Abnormal or accelerated wear patterns on your tires (e.g., inner or outer edge wear) are a strong indicator of incorrect camber or toe settings, often caused by worn control arms or improper alignment.
- **Vibration:** Excessive vibration felt through the steering wheel or chassis can be linked to various suspension issues.

If you experience any of these symptoms, it is recommended to have your vehicle's suspension system inspected by a professional.

Image 6.1: Common indicators that suspension parts may need replacement.

7. Specifications

Feature	Specification
Brand	maXpeedingrods
Model Number	BZ91XJ
Auto Part Position	Rear Lower
Material	Alloy Steel
Color	Black (as per product title, though specifications mention Red, the product image is black)
Camber Adjustment Range	-1.0° to +3.0°
Adjustable Length	544-576 mm (21.4 - 22.7 inches)
Item Weight	8.38 pounds
Product Dimensions	24.02 x 5.12 x 3.54 inches

8. Warranty and Support

maXpeedingrods provides comprehensive customer support for its products:

- **Warranty:** A 1-year limited warranty is offered for quality-related issues, effective from the date of purchase.
- **Technical Support:** Lifetime technical support is available for all maXpeedingrods products.
- **Contact:** For any questions or assistance, please contact maXpeedingrods customer support.

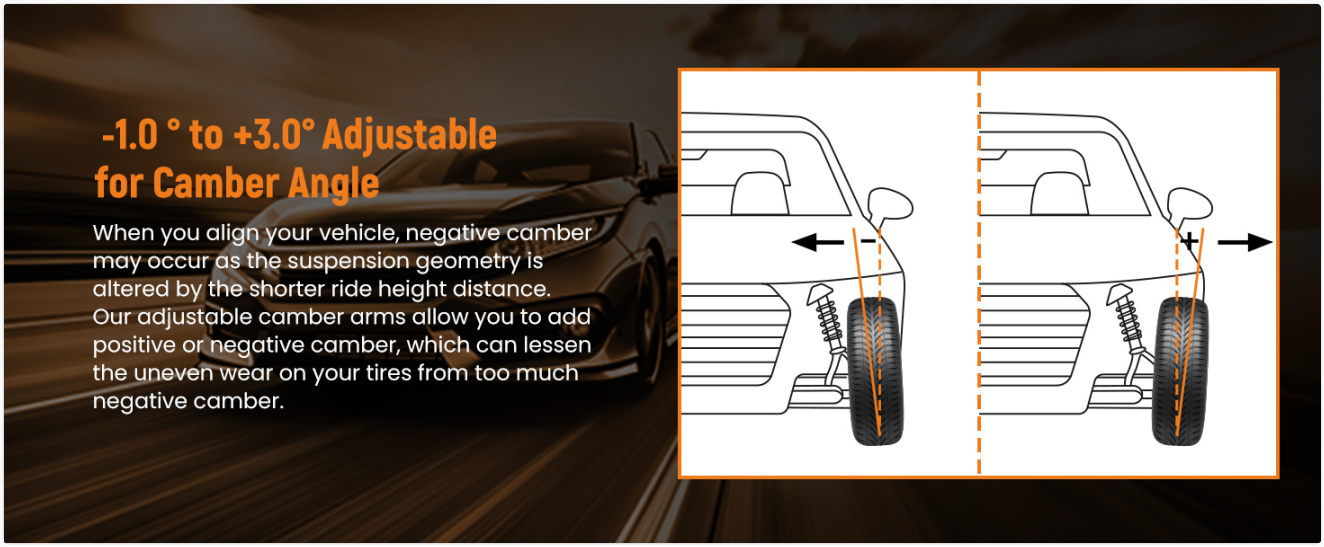

Image 8.1: maXpeedingrods commitment to expert support and customer service.