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maXpeedingrods PL36HI

maXpeedingrods Front Lower Control Arm with Ball Joint and Poly Bushing Instruction Manual

Model: PL36HI

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your maXpeedingrods Front Lower Control Arm with Ball Joint and Poly Bushing. Please read this manual thoroughly before attempting any installation or service to ensure safety and optimal performance. This product is designed to replace original equipment front lower control arms in specific vehicle models.



Image 1.1: Overview of the maXpeedingrods Front Lower Control Arms.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Installation of suspension components requires specialized tools and knowledge. It is highly recommended that installation be performed by a qualified automotive technician.
- **Vehicle Support:** Always use appropriate jack stands or a vehicle lift to securely support the vehicle when working underneath it. Never rely solely on a jack.
- **Personal Protective Equipment:** Wear safety glasses, gloves, and other appropriate personal protective equipment during installation.
- **Torque Specifications:** Adhere strictly to the vehicle manufacturer's torque specifications for all fasteners. Improper torque can lead to component failure.
- **Wheel Alignment:** After replacing any suspension components, a professional wheel alignment is mandatory to ensure proper vehicle handling and tire wear.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.

- 1x Front Left Driver Side Lower Control Arm (Part Number: K620381)
- 1x Front Right Passenger Side Lower Control Arm (Part Number: K620380)

What's In The Box



Image 3.1: Contents of the maXpeedingrods Front Lower Control Arm package.

4. VEHICLE COMPATIBILITY (FITMENT)

These control arms are compatible with the following 4WD/AWD vehicles with Front Torsion Bar Suspension:

- **Cadillac:**

- Escalade: 2002-2006
- Escalade ESV: 2003-2006
- Escalade EXT: 2002-2006

- **Chevrolet/Chevy:**

- Silverado 1500: 1999-2003 (4WD & AWD), 2004-2006
- Tahoe: 2000 (4.8 L & 5.3 L; Fit Front Torsion Bar Suspension), 2001-2006
- Avalanche 1500: 2002-2006
- Suburban 1500: 2000-2006

- Express 1500: 2003-2005 (AWD; Fit Front Torsion Bar Suspension)
- Express 2500: 2003-2005 (AWD; Fit Front Torsion Bar Suspension)

- **GMC:**

- Sierra 1500: 1999-2003 (4WD), 2004-2006
- Yukon: 2000-2006 (2000: 4.8 L & 5.3 L V8 Engines)
- Yukon XL 1500: 2000-2006
- Savana 1500: 2003-2014 (AWD, with Front Torsion Bar Suspension)
- Savana 2500: 2003-2005 (AWD, with Front Torsion Bar Suspension)

5. PRODUCT FEATURES

- **Durable Material:** Constructed from high-strength carbon steel with an anti-corrosion surface treatment for enhanced longevity and resistance to environmental factors.



Image 5.1: Illustration of the durable material and anti-corrosion surface.

- **Upgraded Poly Bushings:** Pre-installed polyurethane bushings are firmer and more durable than

standard rubber bushings. They contribute to reduced road noise and vibration, offering a smoother and more stable driving experience.

Poly Bushing



Wear-Resistant



Better Handling

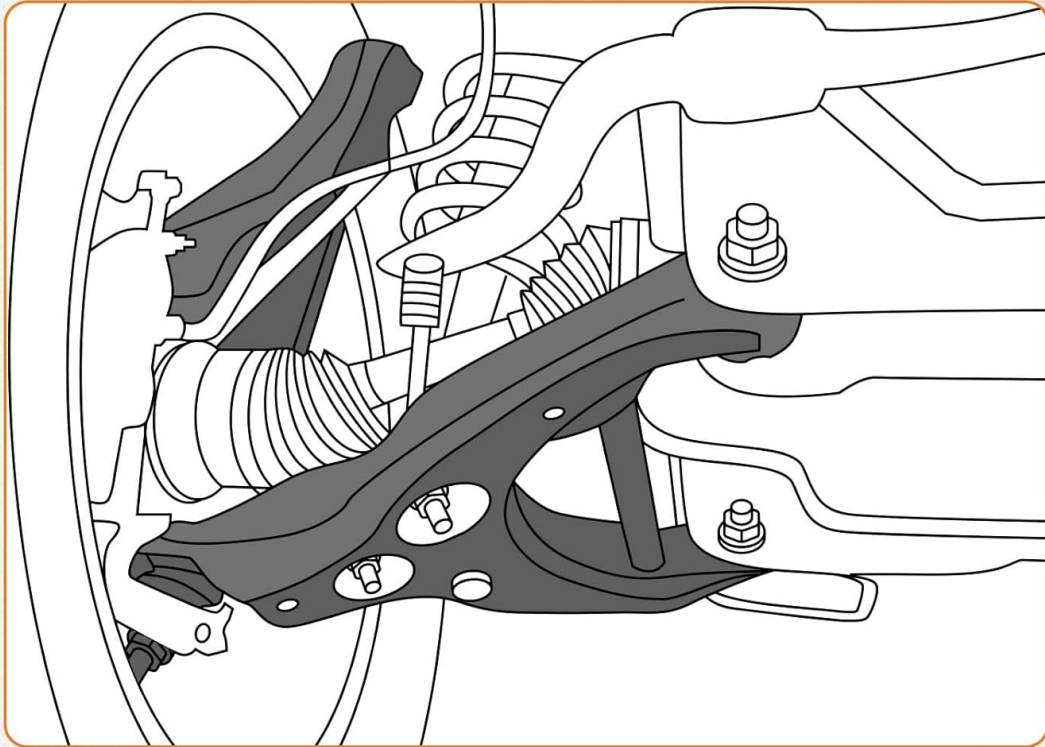
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Image 5.2: Detail of the poly bushings and ball joint for improved handling.

- **Direct Bolt-On Replacement:** Engineered for a precise fit, allowing for direct replacement of the original equipment control arms without modifications.

Direct Bolt-On Replacement



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Image 5.3: Diagram illustrating the direct bolt-on replacement design.

6. WHEN TO REPLACE SUSPENSION PARTS

Signs that your vehicle's suspension components, such as control arms, may need replacement include:

- **Clunking Noise:** A noticeable 'thump' or clunking sound when driving over bumps or uneven surfaces.
- **Steering Wander:** The vehicle tends to drift or pull to one side, requiring constant steering correction.
- **Uneven Tire Wear:** Abnormal or severe wear patterns on tires, such as feathering or cupping.
- **Excessive Vibration:** Unusually strong vibrations felt through the steering wheel or floorboards.

When Need to Replace the Suspension Parts



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Image 6.1: Visual indicators for suspension component replacement.

7. INSTALLATION GUIDE (SETUP)

Disclaimer: This is a general guide. Always refer to your vehicle's specific service manual for detailed, model-specific instructions and torque specifications. Professional installation is strongly recommended.

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the rear wheels. Loosen the lug nuts on the front wheels.
2. **Lift and Secure:** Safely lift the front of the vehicle using a hydraulic jack and support it securely with jack stands. Remove the front wheels.
3. **Remove Old Control Arm:**
 - a. Locate the front lower control arm.
 - b. Remove the cotter pin and castle nut from the ball joint stud.
 - c. Use a ball joint separator tool to disconnect the ball joint from the steering knuckle.
 - d. Remove the bolts securing the control arm to the vehicle frame. Note the orientation of all

components.

e. Carefully remove the old control arm.

4. **Install New Control Arm:**

- a. Position the new maXpeedingrods control arm into place.
- b. Insert the frame bolts and hand-tighten them. Do not fully tighten at this stage.
- c. Connect the new ball joint to the steering knuckle. Install the castle nut and tighten it to the manufacturer's specified torque. Install a new cotter pin.
- d. With the vehicle's weight on the suspension (or simulated by jacking up the lower control arm), tighten the frame bolts to the manufacturer's specified torque. This prevents premature bushing wear.

5. **Reassemble:** Reinstall the front wheels and tighten lug nuts. Lower the vehicle safely.

6. **Final Steps:** After installation, it is crucial to have a professional wheel alignment performed to ensure correct steering geometry and prevent uneven tire wear.

8. **OPERATING (POST-INSTALLATION)**

After successful installation and a professional wheel alignment, you should experience improved vehicle handling, reduced suspension noise, and enhanced stability. The polyurethane bushings contribute to a more direct and responsive feel compared to worn or standard rubber bushings.

9. **MAINTENANCE**

To ensure the longevity and performance of your maXpeedingrods control arms:

- **Regular Inspection:** Periodically inspect the control arms, ball joints, and bushings for any signs of wear, damage, or looseness. Check for cracks in the bushings or torn ball joint boots.
- **Cleaning:** Keep the suspension components clean from excessive dirt, salt, and debris, which can accelerate wear.
- **Lubrication:** If the ball joints are serviceable (have grease fittings), lubricate them according to your vehicle manufacturer's recommendations or at regular service intervals.

10. **TROUBLESHOOTING**

Symptom	Possible Cause	Solution
New clunking or rattling noise after installation	Loose fasteners, improper torque, or interference with other components.	Re-check all fasteners for proper torque. Inspect for any contact between suspension components.

Symptom	Possible Cause	Solution
Vehicle pulls to one side or steering feels off	Incorrect wheel alignment.	Ensure a professional wheel alignment has been performed after installation.
Premature bushing wear	Bushing bolts tightened with suspension unloaded.	Ensure bushing bolts are tightened only when the vehicle's weight is on the suspension. Replace bushings if necessary.
Excessive vibration	Unbalanced wheels, worn tires, or other unrelated suspension issues.	Check tire balance and condition. Consult a mechanic for further diagnosis.

11. SPECIFICATIONS

- **Brand:** maXpeedingrods
- **Model Number:** PL36HI
- **Item Weight:** 63.5 pounds (approximate, for the pair)
- **Product Dimensions:** 22.05 x 21.26 x 8.27 inches (packaging dimensions)
- **Material:** High-strength Carbon Steel
- **Bushing Type:** Polyurethane

12. WARRANTY AND SUPPORT

maXpeedingrods offers comprehensive customer support and warranty coverage for this product:

- **Warranty:** 1-year limited warranty for quality-related issues from the date of purchase.
- **Technical Support:** Lifetime technical support is available.
- **Contact:** For any questions or assistance, please contact maXpeedingrods customer support. Refer to your purchase documentation for specific contact details.



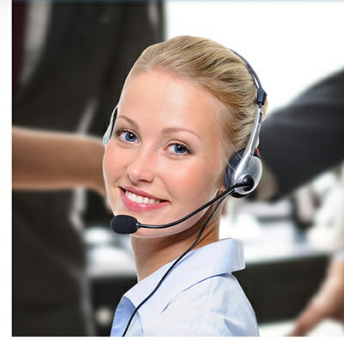
Wide Product Range

Produce the widest product selection for diverse vehicles



Expert Support

Rely on maXpeedingrods engineering team for expert assistance






Customer Centric




Provide 24/7 customer service and support

Image 12.1: maXpeedingrods commitment to customer support.

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Related Documents - PL36HI

	<p>MAXPEEDINGRODS Air Spring Kit Installation Guide for GMC Sierra & Chevrolet Silverado</p> <p>Detailed installation guide for the MAXPEEDINGRODS rear suspension leveling air spring kit, compatible with GMC Sierra and Chevrolet Silverado models. Includes pre-installation checks, step-by-step removal and installation instructions, and safety warnings.</p>
	<p>MAXPEEDINGRODS Air Spring Kit Installation Guide for GMC Sierra & Chevrolet Silverado 1500</p> <p>Comprehensive installation guide for the MAXPEEDINGRODS Rear Air Helper Spring Leveling Kit, compatible with GMC Sierra 1500 and Chevrolet Silverado 1500 (1999-2007). Includes a detailed parts list, pre-installation warnings, step-by-step assembly instructions, and final checks.</p>
	<p>Maxpeedingrods Air Spring Kit Installation Guide for Chevrolet/GMC 2500/3500</p> <p>A comprehensive installation guide for the Maxpeedingrods Rear Air Helper Spring Leveling Kit, designed for Chevrolet Silverado 2500/3500 and GMC Sierra 2500/3500 models. This guide details the parts list and step-by-step instructions for installing the air spring kit.</p>

	<p><u>MAXpeedingRODS Rear Air Helper Spring Installation Guide for GMC Sierra & Chevrolet Silverado 1500</u></p> <p>Comprehensive installation guide for the MAXpeedingRODS Rear Air Helper Spring Leveling Kit designed for GMC Sierra and Chevrolet Silverado 1500 vehicles. Includes a detailed parts list and step-by-step instructions.</p>
	<p><u>MAXpeedingRods Air Spring Kit Installation Guide for GMC Sierra & Chevrolet Silverado</u></p> <p>Comprehensive installation guide for the MAXpeedingRods Rear Air Helper Spring Leveling Kit, compatible with GMC Sierra and Chevrolet Silverado 2WD/4WD models. Features a detailed parts list and step-by-step assembly instructions with diagrams described textually.</p>
	<p><u>MAXPEEDINGRODS Air Spring Kit Installation Guide for Chevrolet Silverado 1500 / GMC Sierra 1500</u></p> <p>This document provides a comprehensive installation guide for the MAXPEEDINGRODS Rear Air Helper Spring Leveling Kit, compatible with Chevrolet Silverado 1500 and GMC Sierra 1500 pickup trucks. It includes a detailed parts list and step-by-step instructions for proper installation.</p>