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> maXpeedingrods Steering Linkage Kit Installation and Maintenance Manual

maXpeedingrods QV71GU

maXpeedingrods Steering Linkage Kit Instruction Manual

Model: QV71GU

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your maXpeedingrods Steering Linkage Kit. This kit is designed to enhance your vehicle's steering performance by providing stronger, more durable components that improve handling and stability. Please read this manual thoroughly before attempting any installation or maintenance procedures.

2. PRODUCT COMPONENTS

The maXpeedingrods Steering Linkage Kit includes the following components:

- 1 x Steering Linkage Kit (consisting of drag link, tie rods, and associated hardware)



Figure 2.1: Overview of the maXpeedingrods Steering Linkage Kit components. The image displays the main drag link, two tie rods, a steering damper, and various nuts and bolts for installation.

3. VEHICLE COMPATIBILITY

This steering linkage kit is compatible with the following vehicle models and years:

- For Dodge Ram 1500: 2008
- For Dodge Ram 2500: 2008-2013

- For Dodge Ram 3500: 2008-2013

Part Numbers: 5154661AC, 52122362, 52122362AL, 6505623AA, 68039930AA. Please verify these part numbers against your vehicle's requirements before installation.

4. INSTALLATION GUIDE

Installation of steering components requires specialized tools and knowledge. It is highly recommended that this kit be installed by a certified professional mechanic to ensure proper function and vehicle safety.

General Installation Steps (Professional Installation Recommended):

1. **Safety First:** Park the vehicle on a level surface, engage the parking brake, and use wheel chocks. Lift the front of the vehicle using a hydraulic jack and secure it with jack stands.
2. **Remove Old Components:** Carefully remove the wheels and then disconnect the existing steering linkage components (drag link, tie rods) from the steering knuckles and pitman arm. Note the orientation and connection points.
3. **Inspect Related Parts:** While the old components are removed, inspect other steering and suspension components for wear or damage, such as the pitman arm, idler arm, and ball joints. Replace any worn parts as necessary.
4. **Install New Kit:** Install the new maXpeedingrods steering linkage components, ensuring all connections are secure and torqued to the manufacturer's specifications. Apply thread locker where appropriate.
5. **Adjust and Align:** After installation, the vehicle's front end must be professionally aligned to ensure correct steering geometry and prevent premature tire wear. This includes setting toe, camber, and caster.
6. **Test Drive:** Perform a cautious test drive in a safe area to confirm proper steering function and responsiveness.



Figure 4.1: Detail of a tie rod end, illustrating the robust construction of the components. Proper connection and torque are crucial for safety.

5. OPERATION AND PERFORMANCE

Once correctly installed and aligned, the maXpeedingrods Steering Linkage Kit will contribute to improved vehicle handling and stability. The upgraded components are designed to provide a more direct and responsive steering feel, reducing play and enhancing control, especially under demanding conditions. The kit's robust construction ensures durability and longevity, maintaining optimal steering performance over time.

6. MAINTENANCE

Regular inspection and maintenance are crucial for the longevity and safe operation of your steering system. Follow these guidelines:

- **Routine Inspection:** Periodically inspect all steering linkage components for signs of wear, damage, or looseness. Check for torn boots, corrosion, or excessive play in the joints.
- **Lubrication:** If components are equipped with grease fittings, lubricate them according to your vehicle manufacturer's recommendations using appropriate grease.
- **Alignment Checks:** Have your vehicle's wheel alignment checked annually or whenever new steering components are installed, or if you notice uneven tire wear or steering issues.
- **Torque Checks:** Occasionally check the torque on all fasteners associated with the steering linkage to ensure they remain at specified values.



Figure 6.1: Detail of a clamp and bushing on a steering rod. Ensure all clamps and fasteners are secure and free from corrosion during maintenance checks.

7. TROUBLESHOOTING COMMON ISSUES

If you experience any of the following symptoms after installation or during normal operation, consult a professional mechanic:

- **Loose Steering:** Excessive play in the steering wheel may indicate loose connections or worn components.
- **Uneven Tire Wear:** Often a sign of incorrect wheel alignment, which can be caused by improper installation or worn steering parts.

- **Steering Noise:** Clunking, popping, or squeaking sounds during steering may indicate loose or damaged components.
- **Vehicle Pulling:** If the vehicle consistently pulls to one side, it could be an alignment issue or a problem with a steering component.

Do not attempt to diagnose or repair complex steering issues without proper training and tools. Always prioritize safety.

8. PRODUCT SPECIFICATIONS

Attribute	Value
Manufacturer	maXpeedingrods
Brand	maXpeedingrods
Model Number	QV71GU
Item Weight	52 pounds
Product Dimensions	63.39 x 8.27 x 5.31 inches
Manufacturer Part Number	QV71GU
ASIN	B0DFCPCXP8
Compatible Part Numbers	5154661AC, 52122362, 52122362AL, 6505623AA, 68039930AA

9. WARRANTY INFORMATION

maXpeedingrods offers a **1-year limited warranty** for quality-related issues, effective from the date of purchase. Additionally, lifetime technical support is provided for this product. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the official maXpeedingrods website or contact customer support.

10. CUSTOMER SUPPORT

If you have any questions regarding the installation, operation, or maintenance of your maXpeedingrods Steering Linkage Kit, or if you require technical assistance, please contact maXpeedingrods customer support.

You can typically find support contact information on the official maXpeedingrods website or through your purchase platform.

Thank you for choosing maXpeedingrods for your automotive needs.

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