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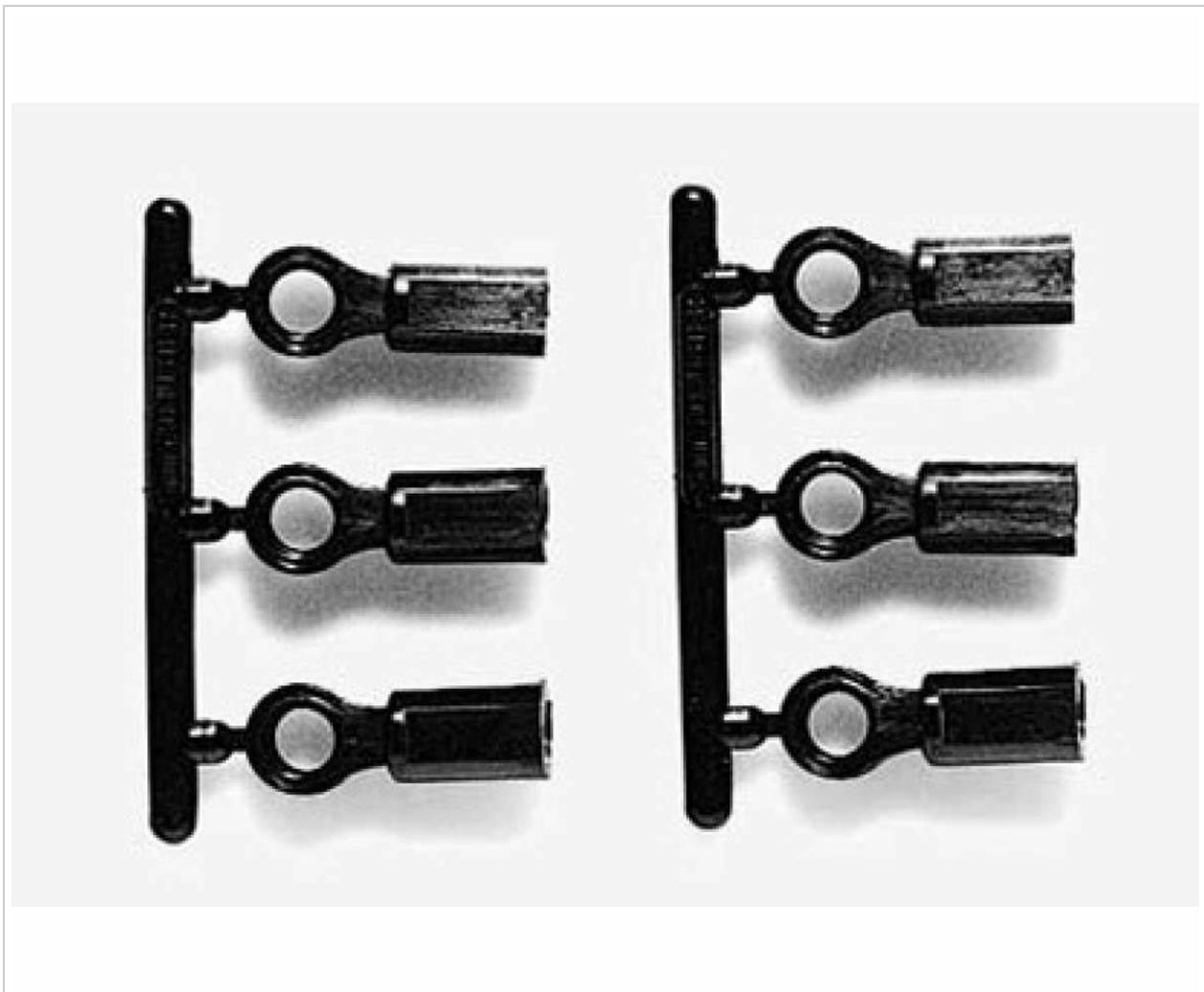
TAMIYA 50596

TAMIYA 50596 Adjuster 5mm 81/02 Instruction Manual

1. INTRODUCTION

This manual provides essential instructions for the TAMIYA 50596 Adjuster 5mm 81/02. This component is a tie rod end adjuster designed for various Tamiya RC models, manufactured by Tamiya, a Japan-based company known for sourcing parts globally. The Tamiya part number for this item is 50596.

Understanding the proper installation and maintenance of this adjuster is crucial for the optimal performance and longevity of your remote-controlled vehicle.



An image showing the TAMIYA 50596 Adjuster, a small, cylindrical component typically used in RC vehicle steering or suspension systems.

2. SETUP AND INSTALLATION

The TAMIYA 50596 Adjuster is a precision component intended for specific applications within Tamiya RC vehicles. Proper installation is vital for correct function.

- **Compatibility:** This adjuster is designed to work with various Tamiya models, including the Tamiya CR-01 Crawler FJ40, DT-02, GF-01, Lunch Box, M06 Mini, Wild Willy 2, and Wild Willy 2000. Ensure your model is listed or consult your model's specific manual for compatibility.
- **Integration:** Installation typically involves attaching the adjuster to a tie rod end within your RC vehicle's steering or suspension system. The 5mm dimension refers to a critical measurement for fitment.
- **Refer to Model Manual:** Always refer to your specific RC model's assembly manual for detailed, step-by-step instructions on integrating this part. Disassembly and reassembly procedures vary by model.
- **Secure Fastening:** Ensure all connections are securely fastened but do not overtighten, which could damage the component or surrounding parts.

3. OPERATING PRINCIPLES

Once installed, the 5mm adjuster plays a critical role in the functionality of your RC vehicle's steering and suspension.

- **Tie Rod Length Adjustment:** The adjuster allows for fine-tuning the effective length of the tie rod. This adjustment directly influences the steering geometry, toe-in/toe-out settings, and overall suspension characteristics.
- **Performance Tuning:** Proper adjustment is crucial for achieving optimal performance, stability, and handling of your RC vehicle. Incorrect settings can lead to unpredictable steering, poor tracking, or excessive tire wear.
- **Dynamic Function:** During operation, the adjuster facilitates the smooth movement and articulation of the tie rod, contributing to responsive steering and effective suspension damping.

4. MAINTENANCE

Regular inspection and maintenance of the TAMIYA 50596 Adjuster will help ensure reliable performance and extend the lifespan of your RC vehicle.

- **Visual Inspection:** Periodically inspect the adjuster for any signs of wear, cracks, deformation, or damage. Check for any looseness in its connection points.
- **Cleaning:** Keep the adjuster and surrounding areas free from dirt, dust, and debris. Accumulated grime can hinder movement and accelerate wear. Use a soft brush or compressed air for cleaning.
- **Tightness Check:** Ensure that the adjuster remains securely fastened. If any looseness is detected, carefully tighten the connection according to your model's specifications. Avoid overtightening.
- **Replacement:** If the adjuster shows significant wear, damage, or if its functionality is compromised, replace it with a genuine Tamiya 50596 Adjuster to maintain optimal performance.

5. TROUBLESHOOTING

If you encounter issues related to steering or suspension, consider the following troubleshooting steps:

- **Poor Steering Response:** Check if the adjuster is loose or damaged. Ensure it is correctly installed and

adjusted according to your model's manual.

- **Uneven Tire Wear:** This can indicate incorrect tie rod length adjustments. Verify that both adjusters (if applicable) are set symmetrically and that the steering geometry is correct.
- **Unusual Noises:** Listen for any grinding or clicking sounds from the steering or suspension area. This could indicate a worn or damaged adjuster or other connected components.
- **Part Compatibility:** Double-check that the TAMIYA 50596 Adjuster is the correct part for your specific Tamiya RC model. Using incompatible parts can lead to performance issues and damage.
- **Bent or Damaged Components:** Inspect the tie rod, suspension arms, and other related parts for any bends or damage that might affect the adjuster's function.

6. SPECIFICATIONS

Attribute	Detail
Model Number	50596
Manufacturer	Tamiya
Product Dimensions	0.39 x 0.39 x 0.2 inches
Item Weight	0.32 ounces
Recommended Age	14 months and up

7. WARRANTY INFORMATION

Specific warranty details for the TAMIYA 50596 Adjuster 5mm 81/02 are not provided in this document. For information regarding product warranty, please refer to the official Tamiya website or contact Tamiya customer support directly.

8. SUPPORT

For further assistance, technical inquiries, or replacement parts, please utilize the following resources:

- **Official Tamiya Website:** Visit the official Tamiya website for product catalogs, assembly manuals for specific RC models, and contact information.
- **Tamiya Customer Support:** Contact Tamiya's customer service department for direct support regarding product issues or technical questions.
- **Authorized Dealers:** Consult with an authorized Tamiya dealer for expert advice and genuine replacement parts.