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> ARRMA Rod End Set Instruction Manual

ARRMA ARA330791

ARRMA Rod End Set Instruction Manual

Model: ARA330791

INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and safe use of your ARRMA Rod End Set (ARA330791). Please read this manual thoroughly before using the product to ensure optimal performance and safety.

The ARRMA Rod End Set is designed for use with compatible ARRMA RC vehicles, providing crucial connection points for suspension and steering linkages. These components are vital for the proper function and durability of your RC model.

SAFETY INFORMATION

WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating.

Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. The product manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

WHAT'S IN THE BOX

- Rod End Set (Multiple pieces as shown in product image)



Image: The ARRMA Rod End Set, showing multiple black rod end components. These are essential for connecting various parts of an RC vehicle's suspension and steering.

INSTALLATION (SETUP)

The ARRMA Rod End Set is a replacement or upgrade part. Installation typically involves replacing existing worn or damaged rod ends on your ARRMA RC vehicle. Refer to your specific vehicle's instruction manual for detailed assembly diagrams and steps.

1. **Identify the Rod Ends to Replace:** Locate the rod ends on your RC vehicle that require replacement. These are commonly found on suspension links, steering linkages, and sway bar connections.
2. **Disassembly:** Carefully remove the screw or pin securing the old rod end to its respective component (e.g., shock absorber, steering knuckle, suspension arm). Note the orientation and any shims or spacers.
3. **Remove Old Rod End:** Unscrew the old rod end from the threaded rod or turnbuckle. Pay attention to the length of the threaded portion inserted into the rod end, as this affects the overall link length.
4. **Install New Rod End:** Thread the new ARRMA rod end onto the rod or turnbuckle. Ensure it is threaded to the same depth as the old one to maintain original link geometry.
5. **Reassembly:** Attach the new rod end to its component using the original screw or pin. Ensure all connections are secure but not overtightened, allowing for free movement.
6. **Check for Free Movement:** After installation, articulate the suspension and steering to ensure there is no binding and all components move freely.

Tip: Applying a small amount of threadlock (non-permanent) to metal-to-metal screw connections can prevent loosening during operation, but avoid applying it to the rod end threads themselves.

MAINTENANCE

Regular maintenance of your rod ends will prolong their lifespan and ensure optimal performance of your RC vehicle.

- **Inspection:** Periodically inspect rod ends for signs of wear, cracks, or excessive play. Worn rod ends can lead to sloppy handling and reduced performance.

- **Cleaning:** After use, especially in dirty or dusty conditions, clean the rod ends to remove debris. A soft brush and compressed air can be effective. Avoid harsh chemicals that may degrade the plastic.
- **Lubrication:** The ball pivot inside the rod end typically does not require lubrication. However, ensure the pivot point remains free of grit.
- **Replacement:** Replace rod ends immediately if they show significant wear, damage, or if the ball pivot becomes loose within the housing.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Excessive play in linkage	Worn rod end ball or housing	Replace the rod end.
Linkage binding/stiff movement	Dirt/debris in rod end; overtightened screw	Clean rod end; loosen screw slightly (ensure still secure).
Rod end pops off frequently	Worn rod end; incorrect installation; excessive force	Replace rod end; ensure proper installation; check for bent components.

SPECIFICATIONS

- **Model Number:** ARA330791
- **Product Dimensions:** 4 x 2.63 x 0.52 inches
- **Item Weight:** 0.704 ounces
- **Manufacturer:** Horizon Hobby
- **Recommended Age:** 14 years and up
- **ASIN:** B0CK4WCF18

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ARRMA or Horizon Hobby website. Keep your proof of purchase for any warranty claims.

Official ARRMA Website: www.arrma-rc.com

Horizon Hobby Support: www.horizonhobby.com/support

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