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Luzhengyang 102075

Luzhengyang Aluminum Alloy Differential Gear Mount Instruction Manual

Model: 102075 (02051) for HSP 94111 / 94123 1/10 Electric RC Cars

INTRODUCTION

This manual provides detailed instructions for the installation, maintenance, and specifications of the Luzhengyang Aluminum Alloy Differential Gear Mount. This upgrade part is designed to enhance the performance and durability of 1/10 scale HSP 94111 and 94123 electric RC cars.

Please read this manual thoroughly before installation to ensure correct assembly and optimal performance.

PACKAGE CONTENTS

- 1x Aluminum Alloy Differential Gear Mount (Main Housing)
- 1x Aluminum Alloy Differential Gear Mount (Cover)
- Set of mounting screws

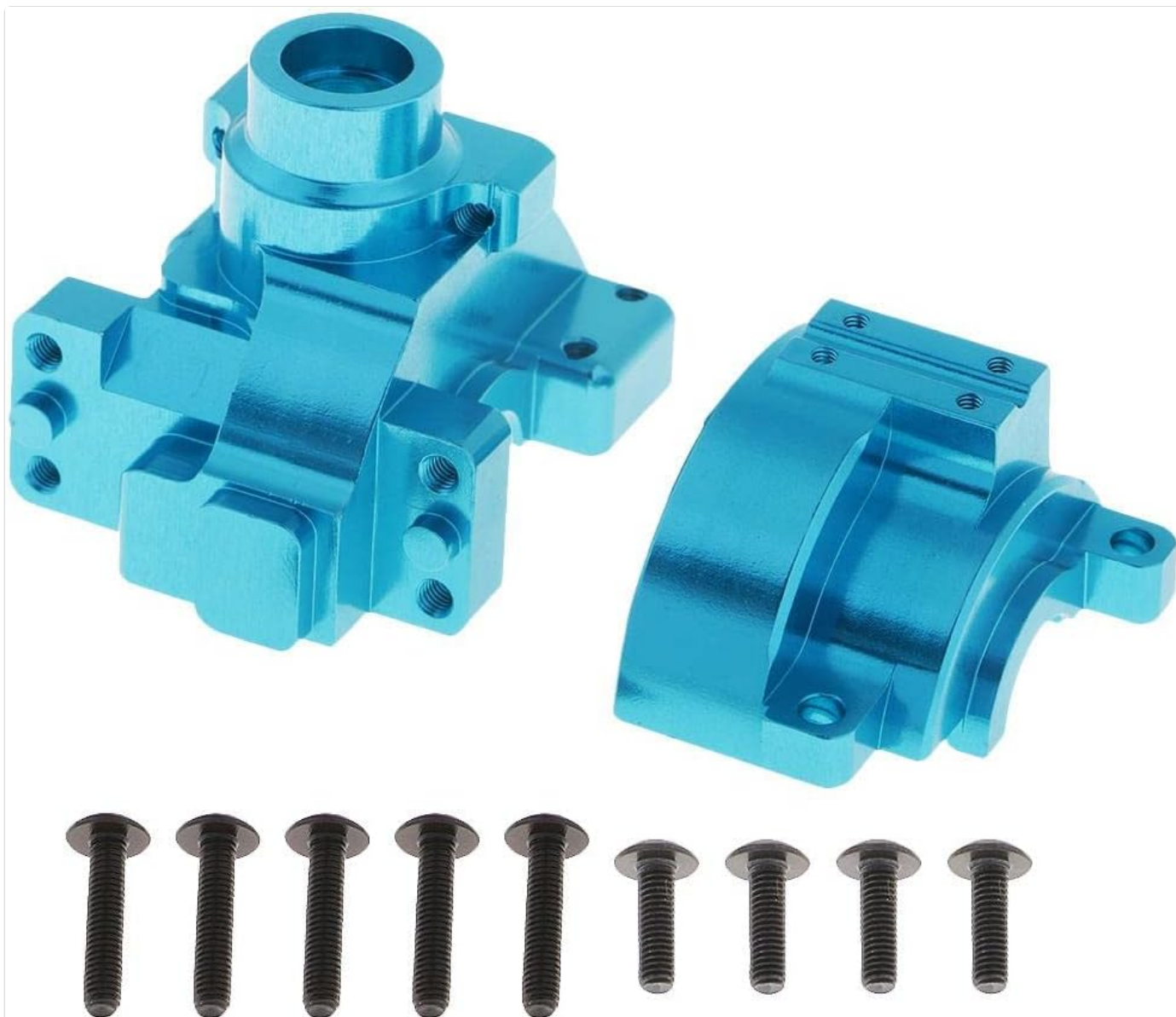


Image Description: A top-down view of the Luzhengyang aluminum alloy differential gear mount components. It shows the main housing and the cover piece, both in a metallic blue finish, alongside a set of black mounting screws.

SETUP AND INSTALLATION

- 1. Preparation:** Ensure your RC car is powered off and the battery is disconnected. Gather necessary tools, including a small Phillips head screwdriver and potentially a hex wrench for existing components.
- 2. Disassembly:** Carefully remove the existing differential gear mount from your HSP 94111 or 94123 RC car. Refer to your RC car's original manual for specific disassembly steps. Note the orientation of all components.
- 3. Component Transfer:** Transfer the internal differential gears, bearings, and any other necessary components from the old mount to the new Luzhengyang aluminum alloy mount. Ensure all parts are clean and free of debris.
- 4. Assembly:**
 - Place the differential assembly into the main housing of the new aluminum mount.
 - Carefully align and attach the cover piece to the main housing.
 - Secure the two parts using the provided mounting screws. Do not overtighten.
- 5. Reinstallation:** Install the newly assembled aluminum alloy differential gear mount back into your RC car. Ensure all connections are secure and properly aligned.
- 6. Final Check:** Before operating, manually rotate the wheels to ensure the differential operates smoothly without

binding.

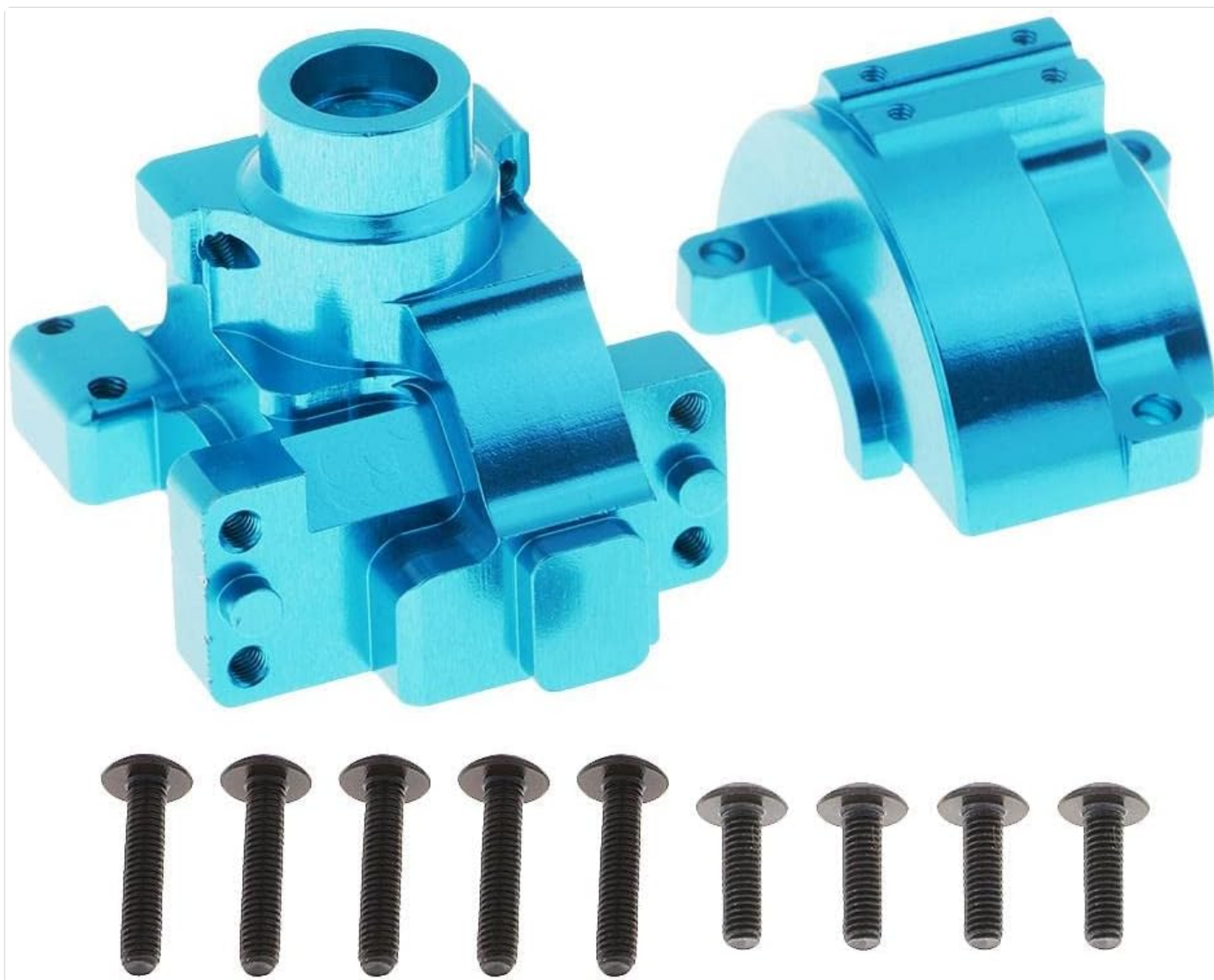


Image Description: A display of four sets of the Luzhengyang aluminum alloy differential gear mounts, each set consisting of a main housing and a cover. The sets are shown in different colors: blue, silver, purple, and gold, illustrating the available color options for the product.

OPERATING CONSIDERATIONS

Once installed, the aluminum alloy differential gear mount operates as a direct replacement for the stock component. Its primary function is to house and protect the differential gears, contributing to the vehicle's drivetrain integrity.

- The enhanced durability of aluminum alloy provides improved resistance to impact and wear compared to standard plastic components.
- Ensure proper lubrication of the differential gears as per your RC car's original maintenance schedule.

MAINTENANCE

Regular maintenance of your differential gear mount will prolong its lifespan and ensure consistent performance.

- **Inspection:** Periodically inspect the mount for any signs of damage, cracks, or loose screws. Check for excessive play in the differential assembly.
- **Cleaning:** Keep the area around the differential free from dirt, dust, and debris. Use a soft brush or compressed air for cleaning.
- **Lubrication:** Follow your RC car's manufacturer guidelines for lubricating the internal differential gears. Proper

lubrication reduces friction and wear.

- **Screw Tightness:** Check and tighten all mounting screws periodically, ensuring they are secure but not overtightened.

TROUBLESHOOTING

If you encounter issues after installing the differential gear mount, consider the following:

- **Binding or Sticking:**
 - Ensure all internal differential components are correctly seated and aligned.
 - Check for any foreign objects or debris within the housing.
 - Verify that screws are not overtightened, which can cause distortion.
- **Excessive Noise:**
 - Inspect gears for wear or damage.
 - Confirm adequate lubrication of the differential gears.
 - Ensure the differential is properly meshed with other drivetrain components.
- **Loose Fit:**
 - Verify that all mounting screws are securely fastened.
 - Check for any damage to the mounting points on the RC car chassis.

SPECIFICATIONS

Attribute	Detail
Product Name	Aluminum Alloy Differential Gear Mount
Brand	Luzhengyang
Model Numbers	102075 (02051)
Material	Aluminum Alloy
Compatibility	1/10 Scale HSP 94111, 94123 Electric RC Cars
Approximate Dimensions	6 x 5 x 4 cm (2.36 x 1.97 x 1.57 inches)
Item Weight	2.19 ounces

WARRANTY INFORMATION

Warranty information for this product is not provided in the available documentation. Please refer to the retailer or manufacturer's website for potential warranty details.

CUSTOMER SUPPORT

Specific customer support contact information is not provided in the available documentation. For assistance, please contact your point of purchase or visit the Luzhengyang brand's official website if available.

