

## LESU RD-2022

# LESU RD-2022 Rubber Front Tyres Instruction Manual

For 1/14 Hydraulic RC Excavator Aoue BL71 Backhoe Loader

## 1. INTRODUCTION

This manual provides essential information for the proper installation, use, and maintenance of your LESU RD-2022 Rubber Front Tyres. These tyres are designed for 1/14 scale hydraulic RC models, specifically compatible with the Aoue BL71 Backhoe Loader and similar remote control excavators. Please read these instructions carefully to ensure optimal performance and longevity of your product.

## 2. PRODUCT OVERVIEW

The LESU RD-2022 front tyres are high-quality rubber components engineered for durability and performance on 1/14 scale hydraulic RC construction models. They feature a robust tread pattern designed for effective traction in various outdoor conditions.

- **Material:** High-grade Rubber
- **Outer Diameter:** 89mm
- **Compatibility:** 1/14 Hydraulic RC Loader Aoue BL71 Backhoe, Remote Control Excavator RD-A0010 Digger, and other DIY models requiring similar specifications.



Figure 2.1: LESU RD-2022 Rubber Front Tyres (Pair)

### 3. INSTALLATION GUIDE

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Proper installation is crucial for the performance and safety of your RC model. Follow these general steps for mounting the tyres. Specific steps may vary slightly depending on your RC model's wheel design.

1. **Prepare the Wheels:** Ensure the wheel rims are clean and free from debris or old adhesive.
2. **Mount the Tyre:** Carefully stretch the rubber tyre over the wheel rim. It may require gentle force. Ensure the bead of the tyre seats correctly into the rim's groove on both sides.
3. **Check Directional Tread (if applicable):** Some tyres have a directional tread pattern. If so, ensure the tyres are mounted with the tread facing the correct direction for optimal traction. The RD-2022 tyres feature a non-directional pattern suitable for front axle use.
4. **Secure the Tyre (if necessary):** For some applications, it may be beneficial to use a small amount of specialized RC tyre glue to secure the tyre bead to the rim, preventing slippage during heavy operation. Apply glue sparingly and allow it to cure completely as per the glue manufacturer's instructions.
5. **Re-attach Wheels:** Once tyres are securely mounted, re-attach the wheels to your RC model's axles, ensuring all fasteners are tightened appropriately.



Figure 3.1: Detailed view of the tyre tread for installation reference.

## 4. OPERATING CONSIDERATIONS

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These tyres are designed for use with 1/14 scale hydraulic RC construction equipment. While durable, consider the following for optimal performance:

- **Surface Conditions:** The aggressive tread is suitable for dirt, gravel, and uneven terrain. Avoid prolonged use on abrasive surfaces like concrete or asphalt if not necessary, as this can accelerate wear.
- **Load Bearing:** Ensure your RC model's weight and operational loads are within the design limits of the tyres and the model itself.
- **Speed:** Operate your RC model at appropriate speeds for the terrain and conditions to prevent excessive stress on the tyres.

## 5. MAINTENANCE

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Regular maintenance will extend the lifespan of your LESU RD-2022 tyres.

- **Cleaning:** After use, especially in dirty or muddy conditions, clean the tyres with water and a soft brush to remove dirt and debris from the tread. Allow them to air dry completely.
- **Inspection:** Periodically inspect the tyres for signs of wear, cuts, cracks, or punctures. Replace severely damaged tyres to maintain performance and prevent further issues.
- **Storage:** Store tyres in a cool, dry place away from direct sunlight and extreme temperatures, which can degrade rubber over time.

## 6. TROUBLESHOOTING

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Most issues related to tyres are visual and can be resolved with proper inspection and replacement.

Problem	Possible Cause	Solution
Reduced Traction	Worn tread, accumulated dirt/mud, improper tyre mounting.	Clean tyres thoroughly. Inspect tread wear and replace if significantly worn. Re-mount tyres correctly.
Tyre Slipping on Rim	Improper seating, no tyre glue used (for high-stress applications).	Ensure tyre bead is fully seated. Consider using RC tyre glue for a more secure fit.
Visible Cracks or Tears	Impact damage, material fatigue, exposure to harsh chemicals or UV.	Replace the damaged tyre immediately to prevent further issues and maintain performance.

## 7. SPECIFICATIONS

Feature	Detail
Manufacturer	LESU
Model ID	LS-RD-2022
Scale	1/14
Material	Rubber
Outer Diameter	89mm
Product Dimensions	6 x 6 x 4.8 inches (approximate, for packaging)
Recommended Age	21 years and up (for RC model operation)
Compatibility	1/14 Hydraulic RC Loader Aoue BL71 Backhoe, Remote Control Excavator RD-A0010 Digger, DIY Models



Figure 7.1: Technical diagram with key dimensions of the LESU RD-2022 tyre.

## 8. WARRANTY AND SUPPORT

For specific warranty information regarding your LESU RD-2022 Rubber Front Tyres, please refer to the terms provided by your retailer or contact LESU directly through their official channels. Product support and inquiries about compatibility or technical details can also be directed to the seller or manufacturer.

**Manufacturer:** LESU

For additional support, visit the [LESU Store on Amazon](#).