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› RhinoRC YUE LCG v2 1/10 RC Crawler Frame Chassis Kit Instruction Manual

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Brand: RHINOESC | Model: YUE LCG v2

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your RhinoRC YUE LCG v2 1/10 RC Crawler Frame Chassis Kit. The YUE LCG v2 chassis is engineered from high-quality carbon fiber and aluminum alloy, designed to enhance climbing ability and ground clearance through its specialized angle design and multiple shock mounting points for superior suspension tuning. Please read this manual thoroughly before beginning assembly or operation to ensure proper use and longevity of your product.



Figure 1: Fully assembled RhinoRC YUE LCG v2 Crawler Frame Chassis.

WHAT'S IN THE BOX

Your RhinoRC YUE LCG v2 Chassis Kit includes the following components:

- YUE LCG v2 Chassis

Note: Additional components such as axles, shocks, links, and hardware are included as part of the kit for assembly.

YUE LCG V2 PACKAGE INCLUDED



Figure 2: All components included in the YUE LCG v2 Chassis Kit. This includes carbon fiber frame rails, titanium alloy links, shock absorbers, and various mounting hardware.

SETUP AND ASSEMBLY

The RhinoRC YUE LCG v2 Chassis Kit requires assembly. Follow these general steps and refer to the provided assembly videos for detailed visual guidance. Ensure you have appropriate tools, such as small screwdrivers and pliers, before starting.

1. **Prepare Components:** Lay out all parts and identify the carbon fiber frame rails, titanium alloy links, shock absorbers, and various screws and nuts.
2. **Assemble Frame Rails:** Attach the cross members and mounting plates to the carbon fiber frame rails. Ensure all screws are tightened securely but do not overtighten.
3. **Install Links:** Connect the titanium alloy links to the chassis and axle mounts. The kit includes various lengths of links for optimal suspension geometry.
4. **Mount Shocks:** Attach the shock absorbers to the designated mounting points on the chassis and axles. The YUE LCG v2 chassis features multiple shock mounting points for fine-tuning suspension performance.
5. **Install Axles:** Securely attach the front and rear axles to the assembled link and shock system.
6. **Final Checks:** Verify all connections are secure and moving parts operate smoothly without binding.



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3K CARBON FIBER

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Figure 3: Detail of the 3K Carbon Fiber frame rails, highlighting the lightweight and durable material.



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TITANIUM ALLOY LINK

Figure 4: The titanium alloy links, designed for strength and flexibility in the suspension system.

Assembly Videos



Video 1: Detailed assembly guide for the YUE LCG Set, demonstrating step-by-step construction of the chassis and suspension components.



Video 2: Assembly instructions for the YUE V2 Set, focusing on key connection points and component integration.

OPERATING INSTRUCTIONS

Once your RhinoRC YUE LCG v2 Crawler is fully assembled with all necessary electronics (motor, ESC, servo, receiver, battery) and body, it is ready for operation. This chassis is designed for challenging off-road conditions, offering superior articulation and ground clearance.

- **Pre-Run Check:** Before each use, inspect all screws, links, and shock mounts for tightness. Ensure the battery is fully charged and securely mounted.
- **Terrain Selection:** The LCG (Low Center of Gravity) design excels on rocky, uneven, and steep terrains. Start on less challenging surfaces to familiarize yourself with the crawler's handling.
- **Throttle Control:** Use smooth and precise throttle inputs for optimal crawling performance. Avoid sudden bursts of power that can cause the vehicle to flip or lose traction.
- **Steering:** Utilize the full range of steering to navigate obstacles. The high articulation of the chassis allows for complex maneuvers.
- **Post-Run Care:** After use, clean any dirt or debris from the chassis and components. Disconnect the battery and store it safely.



Figure 5: The RhinoRC YUE LCG v2 Crawler demonstrating its capability on challenging rocky terrain.



Figure 6: The crawler showcasing its excellent ground clearance and articulation while ascending a steep rock.

Operation Videos



Video 3: A Rhino W1 RTR Edition Sporty Crawler Car, built on a similar platform, demonstrating its rock crawling capabilities and maneuverability.



Video 4: An RC crawler featuring a carbon fiber chassis kit, showcasing its performance on various obstacles and challenging terrains.

MAINTENANCE

Regular maintenance is essential to ensure the longevity and optimal performance of your RhinoRC YUE LCG v2 Crawler Frame Chassis Kit.

- **Cleaning:** After each use, especially in dusty or muddy conditions, clean the chassis and components with a soft brush or compressed air. Avoid using water directly on electronics.
- **Screw Check:** Periodically check all screws and fasteners for tightness. Vibrations during operation can cause them to loosen.
- **Lubrication:** Apply appropriate RC-specific grease or oil to moving parts such as gears and bearings as needed.
- **Shock Inspection:** Inspect shock absorbers for leaks or damage. Replace worn O-rings or damaged shock bodies as necessary.
- **Link Inspection:** Check titanium alloy links for bends or damage. Ensure pivot balls are free of excessive play.

TROUBLESHOOTING

This section addresses common issues you might encounter with your RC crawler chassis.

Problem	Possible Cause	Solution
Excessive chassis flex or wobble	Loose screws, damaged frame rails, worn links.	Tighten all chassis screws. Inspect carbon fiber rails for cracks. Replace damaged links.
Poor suspension performance	Damaged shocks, incorrect shock oil, binding links.	Inspect shocks for leaks or damage. Refill or replace shock oil. Check links for smooth movement.
Reduced climbing ability	Incorrect weight distribution, worn tires, motor/ESC issues (if applicable).	Adjust battery and component placement for optimal weight balance. Replace worn tires. Consult motor/ESC manual for troubleshooting.

SPECIFICATIONS

Feature	Detail
Product Dimensions	14.96 x 5.12 x 1.42 inches
Item Weight	14.1 ounces
Item Model Number	YUE LCG v2
Manufacturer Recommended Age	12 months - 7 years (<i>Note: This age range appears to be a general Amazon category and may not reflect the complexity of RC kit assembly. Adult supervision is recommended for assembly and operation.</i>)
Material	High-quality carbon fiber board (4.0mm), Aluminum Alloy, Titanium Alloy Links

Feature	Detail
Design Features	LCG (Low Center of Gravity) design, multiple shock mounting points, special angle design for increased ground clearance.

Safety Information

This product is recommended for users aged 14 and above. Adult supervision is advised during assembly and operation, especially for younger users. Always operate RC vehicles in a safe environment, away from people, pets, and property. Ensure all electrical connections are secure to prevent short circuits or damage.

Warranty and Support

For warranty information or technical support regarding your RhinoRC YUE LCG v2 Crawler Frame Chassis Kit, please contact the manufacturer, RhinoESC, directly. You can visit the official RhinoESC store for more information and contact details: [RhinoESC Official Store](#)
Please retain your proof of purchase for any warranty claims.

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