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› RhinoRC YUE ONE V2 Sporty Crawler Car Instruction Manual

RHINOESC YUE V2-RTR1.9S

RhinoRC YUE ONE V2 Sporty Crawler Car Instruction Manual

Model: YUE V2-RTR1.9S

INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your RhinoRC YUE ONE V2 Sporty Crawler Car. Please read this manual thoroughly before operating the vehicle to ensure proper function and longevity.

SAFETY INFORMATION

Recommended age for operation: 14+ years.

- Always operate the vehicle in open areas, away from people, pets, and obstacles.
- Do not operate near water or in wet conditions unless the vehicle is specifically designed for it.
- Ensure all connections are secure before operation.
- Use only recommended batteries and charging equipment.
- Keep fingers and loose clothing away from moving parts.
- Store the vehicle and components in a cool, dry place.

WHAT'S IN THE BOX

- 1 x YUE V2 RTR1.9S Crawler Car
- 1 x M5 Nut

Note: A radio system and battery (suggested: 4s 850mAh 75CC) are required and sold separately.

SETUP

1. Required Components

Before operating your YUE ONE V2 crawler, ensure you have the following:

- A compatible **Radio System** (transmitter and receiver).
- A suitable **Battery** (recommended: 4s 850mAh 75CC LiPo battery).
- A compatible **Battery Charger**.

2. Battery Installation

1. Locate the battery compartment on the chassis.
2. Connect the battery to the ESC (Electronic Speed Controller) using the appropriate connectors.
3. Secure the battery within the compartment to prevent movement during operation.

3. Radio System Binding (Refer to your Radio System Manual)

Follow the instructions provided with your specific radio system to bind the transmitter to the receiver installed in the YUE ONE V2 crawler. This process establishes communication between your controller and the vehicle.

4. Initial Inspection

Before the first run, visually inspect the vehicle:

- Check all screws and fasteners for tightness.
- Ensure suspension components move freely.
- Verify that the steering servo operates correctly and the wheels turn in response to the transmitter.
- Confirm that the motor and ESC connections are secure.



Figure 1: The RhinoRC YUE ONE V2 Sporty Crawler Car, showcasing its chassis, wheels, and visible electronic components. This image

OPERATING INSTRUCTIONS

1. Basic Controls

Once your radio system is bound and the battery is connected, you can control the crawler using your transmitter:

- **Forward/Backward:** Typically controlled by the throttle trigger/stick.
- **Left/Right:** Controlled by the steering wheel/stick.
- **Deformation:** This model may feature specific articulation or suspension adjustments. Refer to your radio system's advanced functions for any programmable "deformation" or mode changes.

2. Driving Tips for Crawlers

- **Slow and Controlled:** RC crawlers excel at slow, precise movements over challenging terrain. Avoid sudden, fast inputs.
- **Weight Transfer:** Use throttle and steering to shift the vehicle's weight, aiding in traction and preventing rollovers on inclines.
- **Line Choice:** Carefully plan your path over obstacles. Look for lines that allow all four wheels to maintain contact and traction.
- **Spotting:** If possible, observe the crawler from different angles to anticipate challenges and adjust your driving.

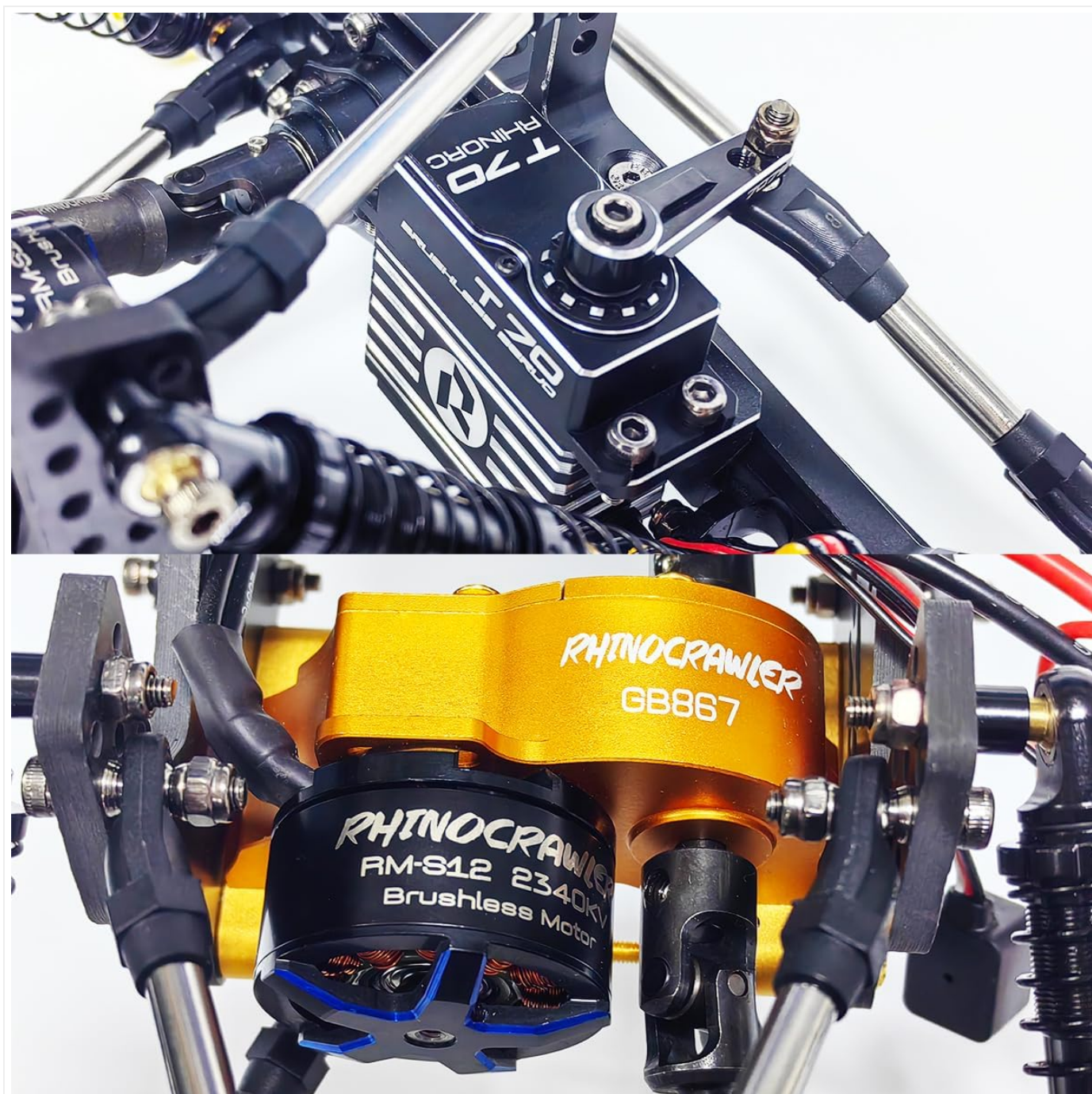


Figure 2: Detailed view of the T70 brushless servo and the RM-S12 2340kv brushless outrunner motor, key components of the YUE ONE V2's power and steering system.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your crawler.

1. After Each Use

- **Clean the Vehicle:** Remove dirt, mud, and debris from the chassis, suspension, and wheels using a soft brush or compressed air. Avoid using water directly on electronics.
- **Inspect for Damage:** Check for bent links, loose screws, damaged tires, or any other visible wear and tear.
- **Charge Batteries:** Recharge your drive battery and transmitter battery as needed.

2. Periodic Maintenance

- **Lubrication:** Apply appropriate RC-specific grease or oil to moving parts like universal joints (CVDs) and gearboxes

as recommended by the manufacturer.

- **Suspension Check:** Inspect shocks for leaks and ensure smooth operation. The external spring 95mm aluminum body shocks can be oil-filled; check oil levels periodically.
- **Tighten Fasteners:** Regularly check and tighten all screws, especially those on axles, suspension links, and motor mounts.
- **Gear Inspection:** Periodically inspect the hardened steel gears in the axles for wear.
- **Ball Bearings:** Ensure all full ball bearings are clean and running smoothly. Replace any rough or seized bearings.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	Battery discharged or not connected. Transmitter not powered on. Radio system not bound. Loose wiring connection.	Check and charge/connect battery. Turn on transmitter. Re-bind radio system (refer to radio manual). Inspect and secure all wiring.
Motor runs, but wheels do not turn.	Stripped gears in drivetrain. Loose wheel hexes or axle pins. Damaged driveshaft.	Inspect and replace damaged gears. Check and secure wheel hexes and pins. Inspect and replace driveshaft.
Steering is unresponsive or weak.	Servo arm loose or stripped. Damaged steering servo. Obstruction in steering linkage.	Tighten or replace servo arm. Replace steering servo. Clear any obstructions.

SPECIFICATIONS

Basic information	Model:YUE V2 RTR1.9S	Power system	ESC:RhinoESC 40A Motor:S12-2340kv Brushless Outrunner Servo:T70 Brushless 70KG 7~17V
Transmitter	Not included	Battery	Not included (suggest:4s 850mAh 75CC)
Tires	MOZA 1.9 inch	Wheel Rim	Narrow Carbon Fiber Aluminum 2.2 inch (N2401)
Others	Function:forward,backward,left,right,deformation	Dimension	Wheelbase: 350mm Ground Clearance: 3.6Inch (92mm) Shocks External spring: 95mm Wheel Rim: 2.2Inch Drive Hex 15mm Car size: 400*254*182mm Package size: 440*290*140mm Package weight: 2.5kg Car weight: 2.10kg

Figure 3: A table detailing the basic information, power system, tires, wheel rim, and dimensions of the YUE V2 RTR1.9S crawler.

Feature	Detail
Model	YUE V2-RTR1.9S
Power System	RhinoESC 40A, Motor: S12-2340kv Brushless Outrunner, Servo: T70 Brushless 70KG 7-17V
Transmitter	Not included
Battery (Suggested)	4s 850mAh 75CC
Tires	MOZA 1.9 inch
Wheel Rim	Narrow Carbon Fiber Aluminum 2.2 inch (N2401)
Chassis	Carbon fiber
Axles	CNC Machined Aluminum, billet aluminum case with hardened steel gears, full ball bearings
Suspension	4 link front and rear, solid titanium links
Shocks	External spring 95mm aluminum body (oil-fillable)
Wheelbase	350 mm
Ground Clearance	3.6 inches (92 mm)
Car Size	400 x 254 x 182 mm (L x W x H)
Item Weight	3.74 pounds (1.7 kg)



Figure 4: Top and side views of the RhinoRC YUE ONE V2 crawler, illustrating its overall dimensions including length (460mm), width (265mm), and height (130mm).



Figure 5: Close-up view of the YUE ONE V2's wheels and chassis, highlighting the 1.9-inch tire size, 350mm wheelbase, and the inclusion of 96g tungsten steel and 86g brass weights for optimal crawling performance.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official RhinoESC website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: RhinoESC

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and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question