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› YIKONG RC Crawler Pickup Car 6WD 1/10 YK6101 Instruction Manual

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YIKONG RC Crawler Pickup Car 6WD 1/10 YK6101 Instruction Manual

Model: YK6101

INTRODUCTION

This manual provides comprehensive instructions for the operation, maintenance, and troubleshooting of your YIKONG RC Crawler Pickup Car 6WD 1/10 YK6101. Please read this manual thoroughly before operating the vehicle to ensure safe and optimal performance. This model is designed for all-terrain rock climbing and features advanced components for a robust and versatile experience.

SAFETY INFORMATION

- Always operate the RC vehicle in open areas away from people, pets, and obstacles.
- Do not operate near public roads or in areas with vehicle traffic.
- Keep hands, hair, and loose clothing away from moving parts.
- Ensure all batteries are charged correctly and safely. Use only recommended chargers and battery types.
- Disconnect the battery from the vehicle when not in use and during storage.
- This product is recommended for ages 21 and up due to its complexity and power.
- Avoid exposing the vehicle to water or extreme temperatures unless specifically designed for such conditions.

PACKAGE CONTENTS

The YIKONG RC Crawler Pickup Car 6WD 1/10 YK6101 package includes the following items:

- 1 x YIKONG RC Crawler Car (Assembled and Painted)
- 1 x Motor (Pre-installed)
- 1 x Electronic Speed Controller (ESC) (Pre-installed)
- 1 x Servo (Pre-installed)

- 1 x RC Controller & Receiver
- 1 x Light System (Pre-installed)

Note: The package does **NOT** include a sound system, battery, or charger. These items must be purchased separately.

SETUP

1. Initial Inspection

Upon unboxing, carefully inspect the vehicle for any visible damage or loose components. Ensure all screws are tightened and wires are securely connected. Familiarize yourself with the main components of the vehicle and the remote controller.



Figure 1: YIKONG RC Crawler Pickup Car and its remote controller.

2. Battery Installation (Not Included)

This model requires a compatible battery (e.g., LiPo or NiMH) and a suitable charger, which are not included. Refer to the vehicle's specifications for recommended battery types and voltage. Ensure the battery is fully charged before installation.

1. Locate the battery compartment on the vehicle.
2. Carefully connect the charged battery to the ESC's battery connector, ensuring correct polarity.
3. Secure the battery within the compartment to prevent movement during operation.

3. RC Controller Setup

Install the required batteries (typically AA or AAA, not included) into the remote controller. Power on the controller first, then the vehicle. The controller and receiver should automatically bind. If not, refer to the controller's specific manual for binding instructions.

OPERATING INSTRUCTIONS

1. Basic Controls

- **Throttle Trigger:** Pull to move forward, push to brake, push again for reverse.
- **Steering Wheel:** Turn left to steer left, turn right to steer right.



Figure 2: Front view of the YIKONG RC Crawler, highlighting its robust grille and headlights.



Figure 3: Rear view of the YIKONG RC Crawler, showing the 6WD configuration and roll bar.

2. 2-Speed Transmission

The YK6101 features a 2-speed transmission for versatile driving. Use the high-speed setting for faster traversal on open terrain and the low-speed setting for maximum torque and control during rock crawling or climbing steep inclines.

- Consult your RC controller's manual for the specific switch or button that controls the gear shift.
- Shift gears only when the vehicle is stationary or moving at a very low speed to prevent damage to the transmission.

3. Differential Lock

The differential lock feature enhances traction by locking the differentials, ensuring all wheels receive power equally. This is crucial for navigating challenging obstacles and slippery surfaces.

- Locate the differential lock control on your RC controller.
- Engage the differential lock when encountering difficult terrain where maximum traction is required.
- Disengage the differential lock on flat or high-grip surfaces to allow for smoother turning and reduce strain on the drivetrain.



Figure 4: Detail of the front bumper with integrated tow hook, indicating robust design for off-road use.



Figure 5: Close-up of the wheel and tire, showing the aggressive tread pattern for superior grip.

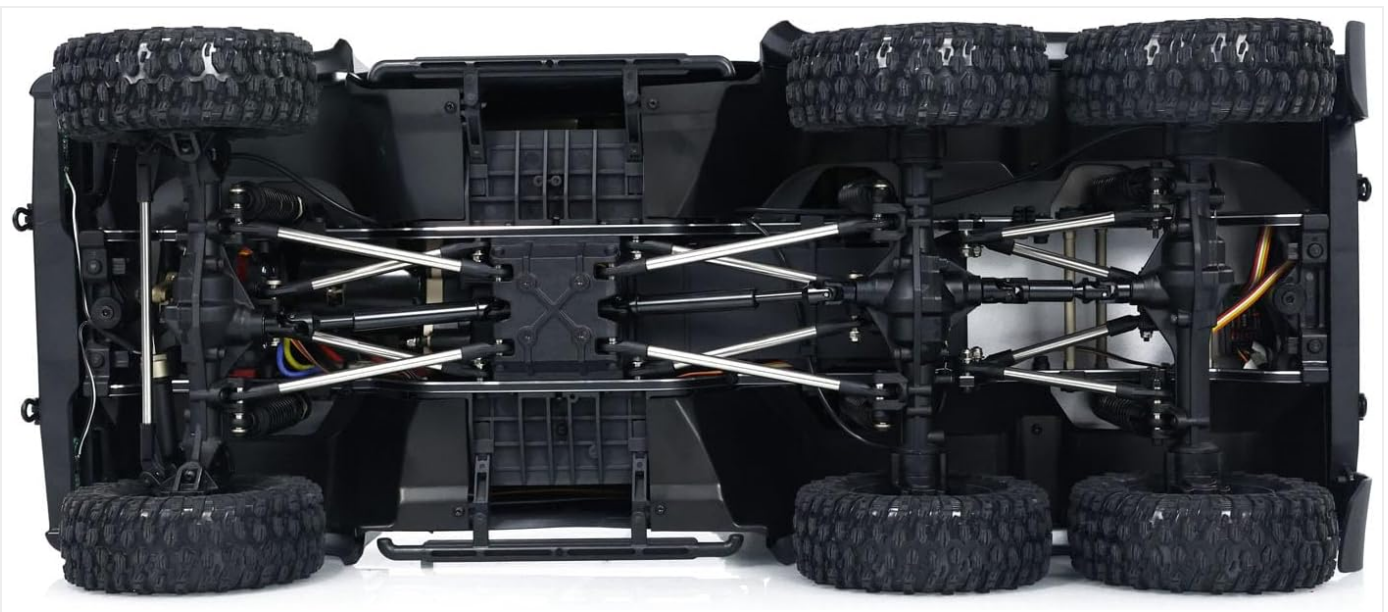


Figure 6: Underbody view revealing the multi-link integral axle design, steel connecting rods, and portal axles.

MAINTENANCE

1. Cleaning

- After each use, especially in dirty or dusty conditions, clean the vehicle thoroughly.
- Use a soft brush or compressed air to remove dirt and debris from the chassis, suspension, and drivetrain.
- Wipe down the body with a damp cloth. Avoid using harsh chemicals.

2. Lubrication

- Periodically lubricate moving parts such as universal joints, bearings, and gears with appropriate RC-grade lubricant.
- Do not over-lubricate, as this can attract more dirt.

3. Inspection

- Regularly check for loose screws, worn tires, damaged suspension components, or frayed wires.
- Ensure the shock absorbers are functioning correctly and not leaking.
- Inspect the motor and ESC for signs of overheating or damage.

4. Storage

- Store the vehicle in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries from both the vehicle and the controller before long-term storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to controller.	Low battery in vehicle or controller; controller not powered on; binding issue.	Charge/replace batteries; power on controller first; re-bind controller and receiver.
Vehicle moves slowly or lacks power.	Low vehicle battery; motor/ESC overheating; drivetrain obstruction.	Recharge battery; allow components to cool; check for debris in gears/axles.
Steering is erratic or unresponsive.	Loose servo connection; damaged servo; steering linkage obstruction.	Check servo connections; inspect servo for damage; clear any obstructions.
Unusual noises during operation.	Debris in gears; worn bearings; damaged motor/drivetrain components.	Clean gears; inspect bearings; check for damaged parts and replace if necessary.

SPECIFICATIONS

Feature	Detail
Brand Name	Yikong
Model	YK6101
Scale	1/10
Color	Black
Material	Plastic, Metal
Dimensions (L*W*H)	630 x 245 x 260 mm (24.8 x 9.6 x 10.2 inches)
Wheelbase	330 x 126 mm
Approach Angle	58°
Departure Angle	65°
Tires	115/45 mm
Weight (Excl. Battery/Counter Weight)	4.13 kg (9.1 lbs)
Gear Ratio (16T) - High Speed	1:15.1
Gear Ratio (16T) - Low Speed	1:37.1
Motor Compatibility	540, 550, 560 levels (Original: 540 35T Special Climbing Motor)
Transmission	2-Speed Transmission, Transfer Case
Axles	Portal Axle, Front Axle Kingpin Caster Adjustable
Differential	4 + 2 Gear Structure Cable Type Inlay Differential Lock
Shock Absorbers	Aluminum Alloy CNC Shock Absorber; Double Torque Coil Spring
Recommended Age	21 years and up

WARRANTY AND SUPPORT

For any issues or inquiries regarding your YIKONG RC Crawler, professional after-sales and technical support are available. If an item is damaged out of the box, a free replacement part can be resent. Technicians can provide guidance in English through video or text for repairs and maintenance.

Please contact the seller or manufacturer's support channel for assistance.

