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RocHobby 1/6 willys

RocHobby 1/6 1941 MB Scaler RC Car Instruction Manual

INTRODUCTION

This instruction manual provides essential information for the setup, operation, maintenance, and troubleshooting of your RocHobby 1/6 1941 MB Scaler RC Car. Please read this manual thoroughly before operating the vehicle to ensure safe and optimal performance. This highly detailed 1/6 scale RC model is designed to replicate the iconic 1941 MB vehicle, offering a realistic and engaging experience for enthusiasts.



Image: Front view of the RocHobby 1/6 1941 MB Scaler RC Car, showcasing its detailed army green body, functional headlights, and folding windshield.

PRODUCT OVERVIEW

The RocHobby 1/6 1941 MB Scaler RC Car is a meticulously crafted model designed for realism and performance. It features a detailed army green body with pad-printed designs, accurately replicating the historical 1941 MB vehicle. Key features include:

- **Realistic Design:** 1/6 scale body with detailed dashboard, rubber tires, fuel tank, axe, shovel, functional hood, and folding front glass.
- **Powerful Performance:** Equipped with a 550 size 35T brush motor.
- **Advanced Control:** Compatible with a 2.4G 4-channel remote control featuring EPA (End Point Adjustment) and reverse functions, along with digital neutral point trim.
- **Robust Chassis:** Features a modern crawler chassis with adjustable shock absorber mounting positions, full 4-wheel drive, and a unique 4-link suspension system.
- **Enhanced Traction:** Specially formulated high-grip tires with a period-correct tread pattern for maximum traction while maintaining scale appearance.
- **Articulation:** Oil-filled shocks replace traditional leaf springs to allow for greater axle articulation.

- **Customization:** Designed to accommodate a 1/6 scale figure and offers options for further customization, including an upgradeable canvas canopy.



Image: Side view of the RC car, highlighting the detailed body, functional accessories like the axe and shovel, and the robust suspension.



Image: Rear three-quarter view of the RC car, showing the spare tire, rear lights, and the detailed interior seating.

SETUP

Before operating your RocHobby 1/6 1941 MB Scaler RC Car, follow these steps for proper setup:

1. **Unboxing:** Carefully remove all components from the packaging. Inspect the vehicle for any signs of damage.
2. **Battery Installation:** The charger and remote control are not included. You will need to provide your own compatible battery and charger. Install the fully charged battery into the designated battery compartment. Ensure the battery is securely connected and properly seated.
3. **Remote Control Setup:** Insert batteries into your 2.4G 4-channel remote control. Power on the remote control first, then the vehicle. Follow your remote control's specific binding instructions if necessary.
4. **Initial Inspection:** Check all moving parts, including wheels, steering linkages, and suspension components, to ensure they move freely and are not obstructed.
5. **Functional Checks:** Test the steering and throttle responses with the vehicle elevated or in an open area to confirm proper operation before driving.

OPERATING

Operating your RocHobby 1/6 1941 MB Scaler RC Car is straightforward. Always operate in a safe environment, away from people, pets, and obstacles.

- **Starting the Vehicle:** Ensure the remote control is powered on, then power on the vehicle.
- **Steering:** Use the steering wheel or joystick on your remote control to turn the front wheels left or right.
- **Throttle:** Use the throttle trigger or stick to control forward and reverse movement, as well as speed.
- **Braking:** Releasing the throttle or pushing it in the opposite direction (depending on your remote control settings) will engage the brakes.
- **Off-Road Driving:** The 4x4 drive and articulated suspension are designed for off-road terrain. Approach obstacles slowly and observe how the vehicle reacts.
- **LED Lights:** The integrated LED lights can be activated (if controlled by your remote) for enhanced visibility and realism.



Image: The RC car navigating rocky terrain, demonstrating its off-road capabilities and suspension articulation.



Image: The RC car driving through shallow water, showcasing its robust construction. While capable, avoid deep water to prevent damage to electronics.

MAINTENANCE

Regular maintenance will extend the life and performance of your RC car.

- **Cleaning:** After each use, especially after off-road driving, clean the vehicle to remove dirt, dust, and debris. Use a soft brush or compressed air. Avoid using water directly on electronic components.
- **Lubrication:** Periodically check and lubricate moving parts such as universal joints, gears, and bearings with appropriate RC-grade lubricant.
- **Inspection:** Regularly inspect all screws, nuts, and bolts for tightness. Check for any worn or damaged parts, including tires, suspension components, and bodywork. Replace damaged parts promptly.
- **Battery Care:** Always store batteries in a cool, dry place. Follow the manufacturer's instructions for charging and discharging your specific battery type.
- **Storage:** When not in use, store the RC car in a clean, dry environment, away from direct sunlight and extreme temperatures. Remove batteries from both the vehicle and remote control during long-term storage.

TROUBLESHOOTING

If you encounter issues with your RocHobby 1/6 1941 MB Scaler RC Car, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Vehicle does not respond	Low battery in vehicle or remote; not powered on; binding issue.	Charge/replace batteries; ensure both vehicle and remote are on; re-bind remote.
Poor steering response	Steering servo issue; loose linkage; trim adjustment needed.	Check servo connections; tighten linkages; adjust steering trim on remote.
Loss of range/intermittent control	Interference; antenna issue; low remote battery.	Move to a different location; check antenna; replace remote batteries.
Motor not running	ESC connection issue; motor damage; low battery.	Check all electrical connections; inspect motor for damage; ensure battery is charged.

If problems persist after attempting these solutions, please contact customer support.

SPECIFICATIONS

- **Model:** 1/6 Willys
- **Scale:** 1/6
- **Main Material:** Plastic
- **Motor:** 550 size 35T Brush Motor
- **Drive System:** 4x4 Full-time Four-Wheel Drive
- **Suspension:** 4-link design with oil-filled shocks
- **Product Dimensions:** 59.94 x 33.02 x 25.91 cm (approximately 23.6 x 13.0 x 10.2 inches)
- **Weight:** 3.6 kg (approximately 7.9 lbs)
- **Recommended Age:** 17 years and up
- **Batteries Required:** No (vehicle battery and remote control batteries not included)

SAFETY WARNINGS

- **Adult Supervision:** This product is recommended for ages 17 and up. Adult supervision is advised for all users.
- **Battery Safety:** Always follow battery manufacturer's instructions for charging, discharging, and storage. Incorrect battery handling can lead to fire, injury, or property damage.
- **Charger and Remote Control:** Please note that the charger and remote control are not included with this product. Users must provide their own compatible equipment.
- **Operating Environment:** Operate the RC car in open areas, away from people, animals, and obstacles. Avoid operating near public roads, power lines, or water bodies.
- **Moving Parts:** Keep fingers, hair, and loose clothing away from all moving parts, such as wheels and gears, to prevent injury.
- **Water Exposure:** While the vehicle is designed for some outdoor use, avoid submerging it in deep water to protect electronic components.

WARRANTY & SUPPORT

Specific warranty information for the RocHobby 1/6 1941 MB Scaler RC Car is not provided in this manual. Please refer to the product packaging or the retailer's website for details regarding warranty coverage and terms.

For technical support, spare parts, or any operational questions not covered in this manual, please contact the retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase for any warranty claims.