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## WLtoys A959-B

# WLtoys A959-B 1:18 2.4GHz 4WD Rally Racing Car Instruction Manual

Model: A959-B | Brand: WLtoys

## 1. PRODUCT OVERVIEW

The WLtoys A959-B is a 1:18 scale 4WD rally racing car designed for high-speed operation across various terrains. It features a full simulation structure for realistic control, including high-speed driving, instant acceleration, deceleration, braking, backing, turning, and lights. The independent suspension of the front and rear wheels ensures smooth cornering and stable body posture.



Figure 1: WLtoys A959-B Rally Racing Car.

## 2. WHAT'S IN THE BOX

Upon unboxing, verify that all components are present:

- RC Car
- Remote Controller
- Battery (Lithium Polymer)
- Charger
- Instruction Manual

### 3. SPECIFICATIONS

Feature	Specification
Product Dimensions	5.31 x 7.09 x 2.36 inches
Item Weight	4.4 pounds
Item Model Number	5R-WH2D-8L1W
Manufacturer Recommended Age	14 years and up
Batteries	1 Lithium Polymer battery required (included)
Motor Type (A959-B)	540 brush motor
Maximum Speed (A959-B)	70 km/h
Radio System	2.4GHz
Control Distance	Approximately 100 meters



Figure 2: Comparison of A959 models, highlighting A959-B specifications.



Figure 3: The 540 brush motor provides powerful performance.

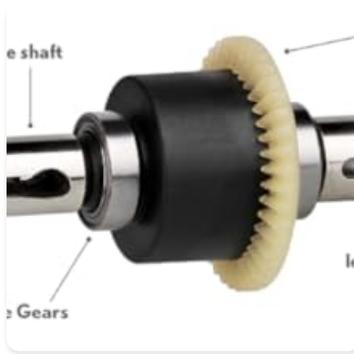


Figure 4: Four-wheel shock absorbers enhance stability on varied terrain.



Figure 5: The differential ensures smooth turning and stable handling.



Figure 6: All-terrain rubber tires provide strong grip and friction resistance.

## 4. SETUP

### 4.1 Remote Control Battery Installation

1. Open the battery compartment on the remote control.
2. Insert 4 fresh AA batteries, ensuring correct polarity.
3. Close the battery compartment.

## 4.2 RC Car Battery Installation

1. Carefully remove the car body shell.
2. Connect the included Lithium Polymer battery to the car's power connector.
3. Secure the battery within its compartment.
4. Replace the car body shell.

## 4.3 Power On and Pairing

1. Turn on the remote control. The indicator light should blink.
2. Turn on the RC car. The car's indicator light should also blink.
3. The remote control and car will automatically pair. Once paired, the indicator lights on both devices will become solid.

## 4.4 Pre-Run Check

Before operating the vehicle, perform a short test to ensure proper function:

- Verify steering response by turning the steering wheel on the remote.
- Check throttle response by gently pressing the trigger.
- Ensure all wheels rotate freely and the suspension is functional.

Video 1: This video demonstrates the initial setup steps, including remote control battery installation, connecting the car's battery, and performing a pre-run check to ensure proper functionality before use.

# 5. OPERATING

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## 5.1 Controls

The remote control features a steering wheel for directional control and a trigger for throttle (forward/reverse) and braking. Fine-tune adjustments for steering and throttle are also available.



Figure 7: Remote control layout showing steering wheel, trigger, and fine-tune adjustments.

## 5.2 Driving Environment

The WLtoys A959-B is designed for multiple ground applications. Its easy climb ability and good flexibility make it suitable for operation on flat ground, over gravel, or on grassland. The durable PVC material, shock absorption, and anti-collision design effectively attenuate car vibration, contributing to a longer service life.



Figure 8: The car's waterproof design allows it to navigate through puddles and wet conditions.

## 5.3 Driving Features

Experience full real car control with features like high-speed driving, instant acceleration, deceleration, braking, backing, turning, and lights. The 5-wire 3-wire digital steering gear ensures flexible steering, smoother driving,

and more stable cornering.

## 6. MAINTENANCE

### 6.1 Battery Care

- When the battery runs out, charge it promptly to ensure remaining power. Avoid completely draining the battery, as this may prevent it from charging.
- Disconnect the battery from the remote control car while charging. Remove the battery and charge it separately.



#### A959-A

Product Size: 9.6×6.8×3.7in(245×175×95mm);  
Use Time: **Approximated 10mins**;  
Charging Time: **Approximated 180mins**;  
Controlling Distance: **Approximated 196.8ft(60m)**;  
Product Materials: PA;  
The maximum speed: **35km/h**;  
Driving motor: **390 brush motor**;  
Battery: **6.4V 750MAH**;  
Product accessories: manual, charger, small cross sleeve



#### A959-B

Product Size: 9.6×6.8×3.7in(245×175×95mm);  
Use Time: **Approximated 6mins+**;  
Charging Time: **Approximated 180mins**;  
Controlling Distance: **Approximated 328ft(100m)**;  
Product Materials: PA;  
The maximum speed: **70km/h**;  
Driving motor: **540 brush motor**;  
Charging equipment: 10V-800mAh EU regulation charger,  
7.4V balanced charge;  
Battery: **7.4V 1500MAH**;  
Product accessories: manual, charger, small cross sleeve

Figure 9: Important battery care instructions.

### 6.2 General Cleaning

- After each use, especially when driving on dusty or dirty surfaces, clean the car to prevent debris buildup.
- Use a soft brush or compressed air to remove dirt from the chassis, wheels, and suspension components.
- Wipe the body shell with a damp cloth.

### 6.3 Component Inspection

- Regularly inspect the tires for wear and tear.
- Check the shock absorbers for any leaks or damage.
- Ensure all screws and fasteners are tight.
- Inspect the motor and wiring for any signs of damage or overheating.

## 7. TROUBLESHOOTING

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- **Car not responding:** Ensure both the car and remote control are powered on and successfully paired. Check remote control batteries.
- **Reduced performance:** Fully charge the car's battery. Inspect wheels and axles for obstructions or damage.
- **Loss of control:** Ensure you are within the 100-meter remote control range. Avoid areas with strong electromagnetic interference.
- **Overheating:** Allow the car to cool down after extended high-speed use. Ensure proper ventilation around the motor and ESC.

## 8. WARRANTY AND SUPPORT

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Specific warranty details and support contact information are not available in the provided product data. Please refer to the product packaging or contact the retailer for further assistance.