

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [TAMIYA](#) /

› [TAMIYA 1/10 RC Wild One Off-Roader \(Model 58525\) Instruction Manual](#)

TAMIYA 58525

TAMIYA 1/10 RC Wild One Off-Roader (Model 58525) Instruction Manual

This manual provides essential information for the assembly, operation, and maintenance of your TAMIYA 1/10 RC Wild One Off-Roader kit. Please read thoroughly before beginning assembly or operation.

1. PRODUCT OVERVIEW

The TAMIYA 1/10 RC Wild One Off-Roader is an electric kit designed for off-road enthusiasts. It features a durable ABS frame chassis, a detailed polycarbonate body with a roll cage, and a driver figure. The vehicle is equipped with a 4-wheel independent suspension system, utilizing aluminum oil dampers and trailing arms for excellent off-road stability. The enclosed gearbox protects against dirt and debris and includes a differential for smooth cornering. Dog bone-type drive shafts with dust covers ensure reliable power transmission.



Image: The TAMIYA Wild One Off-Roader chassis with its red roll cage, showcasing the internal layout of the electronics, battery compartment, and motor. Visible components include the front and rear suspension, and off-road tires.

2. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always prioritize safety during assembly and operation of your RC vehicle.

- Adult supervision is strongly recommended for users under 14 years of age due to the complexity of assembly and operation.
- Ensure all screws, nuts, and fasteners are securely tightened before each use to prevent parts from detaching during operation.
- Operate the RC vehicle in open, safe areas away from public roads, pedestrians, pets, and other obstacles.
- Avoid operating in wet conditions, rain, or near water to prevent damage to electronic components and potential short circuits.
- Keep hands, face, and loose clothing clear of all moving parts, such as wheels, gears, and drive shafts, during

operation.

- Always disconnect the battery from the vehicle when it is not in use, during maintenance, or when storing.
- Use only TAMIYA-approved or compatible parts and accessories.

3. SETUP AND ASSEMBLY

The TAMIYA Wild One Off-Roader is an assembly kit. A comprehensive, step-by-step assembly manual is included in the product packaging. Please refer to that manual for detailed instructions, diagrams, and part identification. This section provides a general overview.

3.1 Required Items (Sold Separately)

- 2-channel RC system (transmitter, receiver, steering servo)
- Electronic Speed Controller (ESC)
- 7.2V battery pack (e.g., Tamiya Racing Pack or LF batteries)
- Compatible battery charger
- Tools for assembly (e.g., screwdrivers, pliers, hobby knife, hex wrenches)
- Paints for body finishing (optional, for polycarbonate bodies)

3.2 General Assembly Steps

1. **Unpacking and Verification:** Carefully unpack all components and verify against the parts list provided in the detailed assembly manual.
2. **Chassis Assembly:** Construct the ABS frame chassis, including the battery case.
3. **Suspension Installation:** Assemble and install the 4-wheel independent suspension system, including the aluminum oil dampers and trailing arms.
4. **Drivetrain Assembly:** Install the motor, assemble the enclosed gearbox with the differential, and attach the dog bone-type drive shafts.
5. **Electronics Mounting:** Securely mount the steering servo, receiver, and Electronic Speed Controller (ESC) to the chassis.
6. **Wiring:** Connect all electronic components (motor, ESC, receiver, servo, battery) according to the instructions provided with each component and the main assembly manual. Ensure wires are neatly routed and secured away from moving parts.
7. **Wheel and Tire Assembly:** Assemble the wheels and mount the ribbed front tires and block tread pattern rear tires. Attach them to the vehicle.
8. **Body and Roll Cage:** Attach the polycarbonate body, roll cage, and driver figure.
9. **Initial Checks:** Perform a thorough check of all assembled parts, ensuring smooth movement of suspension and steering, and proper gear mesh.

4. OPERATING INSTRUCTIONS

4.1 Pre-Operation Checklist

- Ensure the main drive battery is fully charged and securely installed in the battery compartment.
- Verify that the transmitter batteries are fresh and correctly installed.
- Check all electrical connections for security and ensure no wires are pinched or interfering with moving parts.
- Confirm that the steering and throttle functions respond correctly and smoothly to your transmitter inputs. Adjust trim

settings if necessary.

- Inspect tires for any damage and ensure they are properly seated on the wheels and securely attached to the axles.
- Check for any loose screws or components on the chassis, suspension, or body.

4.2 Driving Your RC Wild One

1. **Power On Sequence:** Always turn on your transmitter first, then turn on the power switch on your RC car.
2. **Initial Movement:** Start driving slowly to familiarize yourself with the vehicle's handling characteristics and controls.
3. **Control Practice:** Practice steering and throttle control in an open, safe area. Learn how the vehicle responds to different inputs.
4. **Avoid Overheating:** Avoid prolonged full-throttle operation, especially in high-traction or rough terrain, to prevent overheating of the motor and ESC. Allow components to cool down periodically.
5. **Power Off Sequence:** When you are finished operating the vehicle, always turn off the RC car's power switch first, then turn off your transmitter.
6. **Battery Removal:** Disconnect and remove the battery from the vehicle immediately after use to prevent accidental discharge or damage.

5. MAINTENANCE

5.1 Post-Operation Care

- **Cleaning:** After each run, clean the vehicle of dirt, dust, and debris using a soft brush, compressed air, or a damp cloth. Avoid using harsh chemicals.
- **Inspection:** Thoroughly inspect all moving parts for wear, damage, or looseness. Pay close attention to gears, bearings, suspension components, and drive shafts.
- **Fastener Check:** Check all screws and nuts for tightness and re-tighten as necessary.
- **Lubrication:** Apply appropriate RC-grade lubricant to moving parts such as dog bones, gear shafts, and pivot points to reduce friction and wear.
- **Storage:** Store the vehicle in a clean, dry place away from direct sunlight, high humidity, and extreme temperatures.

5.2 Battery Care

- Always use a charger that is specifically designed and compatible with your battery type (e.g., NiMH, LiPo).
- Do not overcharge or over-discharge batteries, as this can significantly reduce their lifespan and pose safety risks.
- Store batteries in a cool, dry place, ideally at a partial charge (e.g., storage voltage for LiPo batteries).
- Dispose of damaged, swollen, or old batteries responsibly according to local environmental regulations.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not move.	Battery not charged; loose power connection; ESC not calibrated; motor or ESC failure.	Charge battery fully; check all wiring connections; recalibrate ESC (refer to ESC manual); inspect motor and ESC for damage.

Problem	Possible Cause	Solution
Steering unresponsive or erratic.	Steering servo connection loose; servo damaged; transmitter/receiver binding issue; low transmitter battery.	Check servo connection to receiver; replace servo if damaged; re-bind transmitter and receiver; replace transmitter batteries.
Motor runs but wheels do not turn.	Stripped gears in gearbox; disconnected drive shaft; loose wheel nut or hex.	Open gearbox and inspect gears, replace if stripped; reattach drive shafts; tighten wheel nuts and check wheel hexes.
Short run time.	Battery not fully charged; old/damaged battery; excessive friction in drivetrain; motor/ESC overheating.	Ensure battery is fully charged; replace old or damaged battery; check bearings and gears for smooth operation; allow components to cool.
Vehicle pulls to one side.	Steering trim incorrect; bent steering linkage; uneven suspension.	Adjust steering trim on transmitter; inspect and replace bent steering parts; check suspension for proper assembly and equal damping.

7. SPECIFICATIONS

Brand: TAMIYA

Model Number: 58525

Product Type: 1/10 Scale Electric RC Off-Road Buggy Kit

Chassis Type: Durable ABS frame with battery case compatible with Tamiya Racing Packs and LF batteries

Suspension: 4-wheel independent suspension with aluminum oil dampers and trailing arms

Drivetrain: Enclosed gearbox with differential, dog bone-type drive shafts with dust covers

Body Material: Durable, lightweight polycarbonate body and roof, includes driver figure

Tires: Ribbed front tires for directional control, block tread pattern rear tires for high grip

Product Dimensions (L x W x H): Approximately 16.93 x 9.06 x 5.51 inches (430 x 230 x 140 mm)

Item Weight: Approximately 4.22 pounds (1.91 kg)

Recommended Age: 14 years and up (Note: The manufacturer's listed age of 14 months - 2 years is generally not applicable for complex RC assembly kits and is likely a data error.)

8. WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, and spare parts inquiries, please refer to the official documentation provided by TAMIYA within your kit packaging. It is recommended to retain your proof of purchase for any warranty claims.

You may also visit the official TAMIYA website for additional resources and support:

Official TAMIYA Website: www.tamiya.com