

## Traxxas XO-1

# Traxxas XO-1 1/7 AWD Supercar Instruction Manual

Model: XO-1 (64077-3)

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## 1. INTRODUCTION

This instruction manual provides comprehensive guidance for the assembly, operation, and maintenance of your Traxxas XO-1 1/7 AWD Supercar. The XO-1 is a high-performance, all-wheel-drive remote-controlled vehicle designed for experienced users. Please read this manual thoroughly before operating the vehicle to ensure safe and optimal performance.



*Figure 1: Front three-quarter view of the Traxxas XO-1 1/7 AWD Supercar, showcasing its aerodynamic design and green and black color scheme.*

## 2. SAFETY INFORMATION

Operating the Traxxas XO-1 requires adherence to strict safety guidelines due to its high speed and power. Failure to follow these instructions can result in serious injury or damage to property.

- Always operate the vehicle in open, clear areas away from people, pets, and obstacles.

- Never operate near public roads, water, or in crowded environments.
- Keep hands, face, and loose clothing away from moving parts, especially the wheels and drivetrain.
- Ensure all batteries are charged safely and correctly according to manufacturer instructions.
- This product is not a toy and is intended for users aged 12 years and older. Adult supervision is recommended for younger operators.
- Always disconnect the battery from the vehicle when not in use or during maintenance.
- Do not modify the vehicle's electronic speed control (ESC) or motor beyond manufacturer specifications.

### 3. WHAT'S IN THE BOX

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Your Traxxas XO-1 package includes the following components:

- XO-1 Fully-assembled 1/7 scale AWD supercar, Ready-To-Race, with Traxxas Stability Management (TSM)
- TQi 2.4GHz radio system
- Traxxas Link Wireless Module
- Castle Mamba Monster Extreme ESC (Electronic Speed Control)
- Traxxas Big Block motor
- ProGraphix painted body

**Note:** Battery and charger are not included. Manufacturer recommended Traxxas Part #2990 for compatible battery and charger.

### 4. SETUP

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#### 4.1 Battery Installation and Charging

The XO-1 requires a compatible LiPo battery and charger (sold separately). Refer to the battery and charger manuals for specific charging instructions. Always ensure batteries are fully charged before operation and follow all safety precautions during charging.

1. Carefully remove the body shell from the chassis.
2. Install the charged battery into the designated battery compartment, ensuring it is securely fastened.
3. Connect the battery to the Electronic Speed Control (ESC).

#### 4.2 Radio System Setup (TQi 2.4GHz)

The TQi 2.4GHz radio system is pre-bound to your XO-1. Ensure the transmitter batteries are installed and charged. The Traxxas Link Wireless Module allows for advanced tuning and telemetry via a compatible mobile device.

- Turn on the transmitter first, then the vehicle's ESC.
- Verify steering and throttle response. Adjust trim settings on the transmitter if necessary.
- For advanced settings and firmware updates, refer to the TQi radio system manual and the Traxxas Link app documentation.

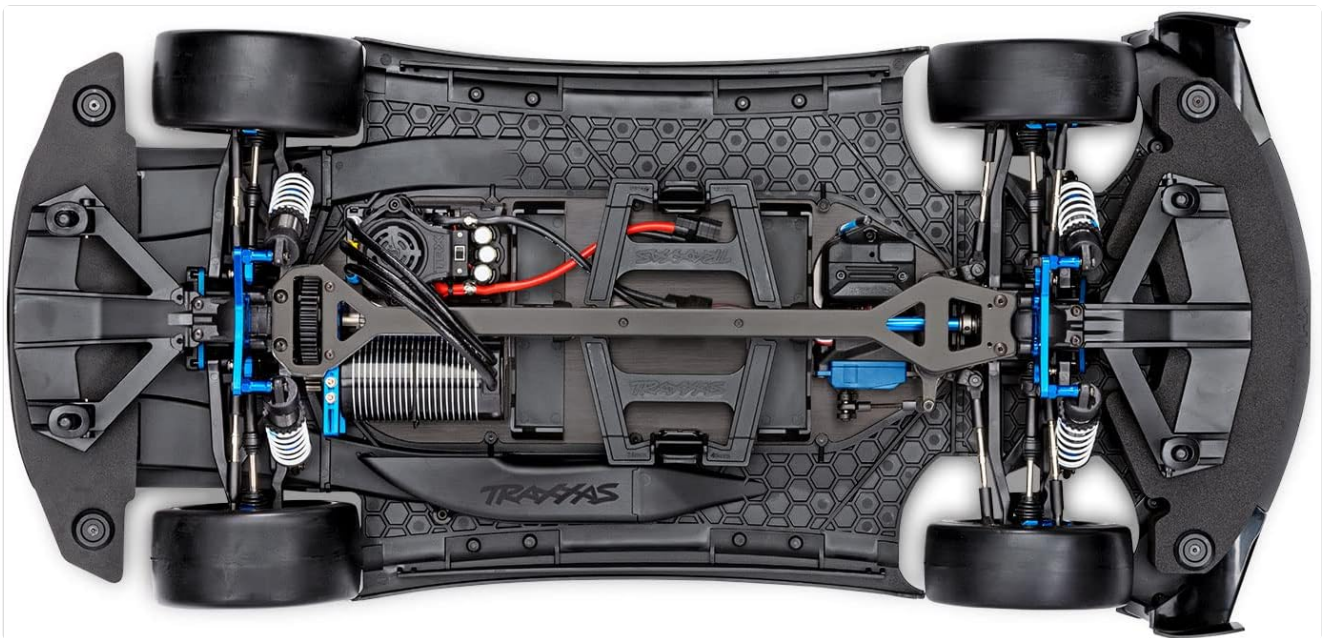


Figure 2: Top-down view of the XO-1 chassis, illustrating the layout of the motor, electronic speed control (ESC), and all-wheel-drive components.

## 5. OPERATION

### 5.1 Driving Controls

The TQi radio system provides precise control over the XO-1. The trigger controls throttle (pull for forward, push for reverse/brake), and the steering wheel controls direction.

- **Throttle:** Pull the trigger to accelerate forward. Push the trigger forward to engage the brake, and push again for reverse.
- **Steering:** Turn the steering wheel left or right to control the vehicle's direction.

### 5.2 Traxxas Stability Management (TSM)

Traxxas Stability Management (TSM) assists in maintaining control of the vehicle, especially during high-speed acceleration and braking on slippery surfaces. TSM can be adjusted via the multi-function knob on the TQi transmitter or through the Traxxas Link app.

- Higher TSM settings provide more assistance, while lower settings offer more driver control.
- Experiment with TSM settings in a safe area to find your preferred balance of stability and responsiveness.

### 5.3 Aerodynamics and High-Speed Performance

The XO-1's body design incorporates advanced aerodynamics, including high-downforce canards and a revised rear wing, to enhance stability at extreme speeds. A NACA duct routes cooling air to the motor, with a rear vent for heat dissipation.



Figure 3: Side profile of the Traxxas XO-1, highlighting its sleek, aerodynamic body designed for high-speed performance.

## 5.4 Power System

The XO-1 is equipped with a powerful Traxxas Big Block motor and a Castle Mamba Monster Extreme ESC, capable of handling 6s LiPo power for exceptional acceleration and top speed. This system is designed for high-performance operation and requires careful handling.



Figure 4: A visual comparison of various Traxxas brushless motors, including the powerful Big Block motor used in the XO-1.

## 6. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your XO-1. Perform these checks after every few runs or as needed:

- **Cleaning:** Remove dirt and debris from the chassis, suspension, and drivetrain using a soft brush or compressed air. Avoid using water directly on electronics.

- **Inspection:** Check all screws for tightness. Inspect suspension components, drive shafts, and gears for wear or damage.
- **Lubrication:** Apply appropriate lubricants to moving parts as recommended in the detailed Traxxas XO-1 service manual (available on the Traxxas website).
- **Tires:** Inspect tires for wear and ensure they are securely glued to the wheels.



Figure 5: Angled view of the XO-1 chassis, providing a clear look at the suspension arms, shocks, and electronic components, essential areas for regular inspection.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Traxxas XO-1. For more detailed troubleshooting, refer to the official Traxxas support resources.

Problem	Possible Cause	Solution
Vehicle not responding to transmitter	Low transmitter/vehicle battery; not bound; ESC not armed	Charge/replace batteries; re-bind transmitter; ensure ESC is powered on and calibrated
Reduced power or speed	Low battery charge; motor/ESC overheating; drivetrain binding	Recharge battery; allow components to cool; inspect drivetrain for obstructions or damage
Steering issues	Servo damage; loose linkages; incorrect trim settings	Inspect servo and linkages; adjust steering trim on transmitter; replace damaged parts

## 8. SPECIFICATIONS

Feature	Detail
Product Dimensions	32 x 13 x 7.38 inches
Item Weight	16 pounds
Model Number	64077-3
Manufacturer Recommended Age	12 months - 8 years <i>(Note: This is likely a misclassification; the product description indicates it's for experienced drivers.)</i>
Manufacturer	Traxxas
Radio System	TQi 2.4GHz with Traxxas Link Wireless Module
Motor	Traxxas Big Block Brushless Motor
Electronic Speed Control (ESC)	Castle Mamba Monster Extreme
Drivetrain	All-Wheel Drive (AWD)

## 9. WARRANTY AND SUPPORT

For detailed warranty information, technical support, and replacement parts, please visit the official Traxxas website or contact Traxxas customer service directly. Keep your proof of purchase for warranty claims.

Official Traxxas Store: [Visit the Traxxas Store on Amazon](#)