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## Traxxas 53097-3

# Traxxas Revo 3.3 4WD Nitro-Powered Monster Truck Instruction Manual

Model: 53097-3 | Brand: Traxxas

## 1. IMPORTANT SAFETY INFORMATION

This product is a high-performance, hobby-grade radio-controlled model. It is not a toy. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is intended for users 14 years and up. Always read and follow all instructions and warnings before use.

**Fuel Handling:** Nitro fuel is flammable. Store in a cool, well-ventilated area away from ignition sources. Use only in well-ventilated areas. Avoid prolonged skin contact and inhalation of fumes. Keep out of reach of children.

**Engine Operation:** The TRX 3.3 Racing Engine operates at high temperatures. Avoid touching the engine or exhaust pipe during or immediately after operation to prevent burns. Always ensure proper ventilation when running the engine.

**Battery Safety:** The included NiMH receiver pack and EZ-Start battery require careful handling. Use only the provided 2-amp DC Peak Detecting Fast Charger. Do not overcharge, short-circuit, or expose batteries to extreme temperatures. Dispose of batteries responsibly.

**Moving Parts:** Keep hands, hair, and loose clothing away from all moving parts, including wheels, gears, and the engine flywheel, to prevent injury.

## 2. WHAT'S IN THE BOX

Your Traxxas Revo 3.3 package includes the following items:

- TQi 2.4GHz Radio System with Traxxas Link Wireless Module
- Charger
- Rechargeable RX Battery Pack with Charge Adapter
- Battery (EZ-Start Battery)
- Long Travel Rocker Arms and Springs
- Premium Fuel Dispensing Bottle

- Extra Glow Plug
- Extra Air Filter
- Tool Kit
- Product Manual



Figure 2.1: The Traxxas Revo 3.3 4WD Nitro-Powered Monster Truck, showcasing its robust design and large tires.

### 3. SETUP GUIDE

Follow these steps to prepare your Revo 3.3 for its first run:

1. **Charge Batteries:** Fully charge the included NiMH receiver pack and EZ-Start battery using the provided 2-amp DC Peak Detecting Fast Charger. Refer to the charger's instructions for proper charging procedures.
2. **Install Receiver Battery:** Open the receiver box and connect the charged receiver battery. Securely close the receiver box to protect electronics from dirt and moisture.
3. **Install Remote Control Batteries:** Insert four AA batteries (not included) into the TQi 2.4GHz transmitter.
4. **Fueling:** Using the premium fuel dispensing bottle, carefully fill the Revo 3.3's fuel tank with high-quality nitro fuel (20-33% nitromethane content recommended). Ensure the fuel cap is securely closed.
5. **Initial Engine Prime:** Before starting the engine for the first time or after a long storage period, it's necessary to prime the fuel system.
  - Remove the air filter.
  - Place your finger over the exhaust outlet.
  - Pull the EZ-Start handle several times until fuel is visible in the fuel line leading to the carburetor.
6. **Install Air Filter:** Ensure the air filter is properly oiled and securely installed on the carburetor.

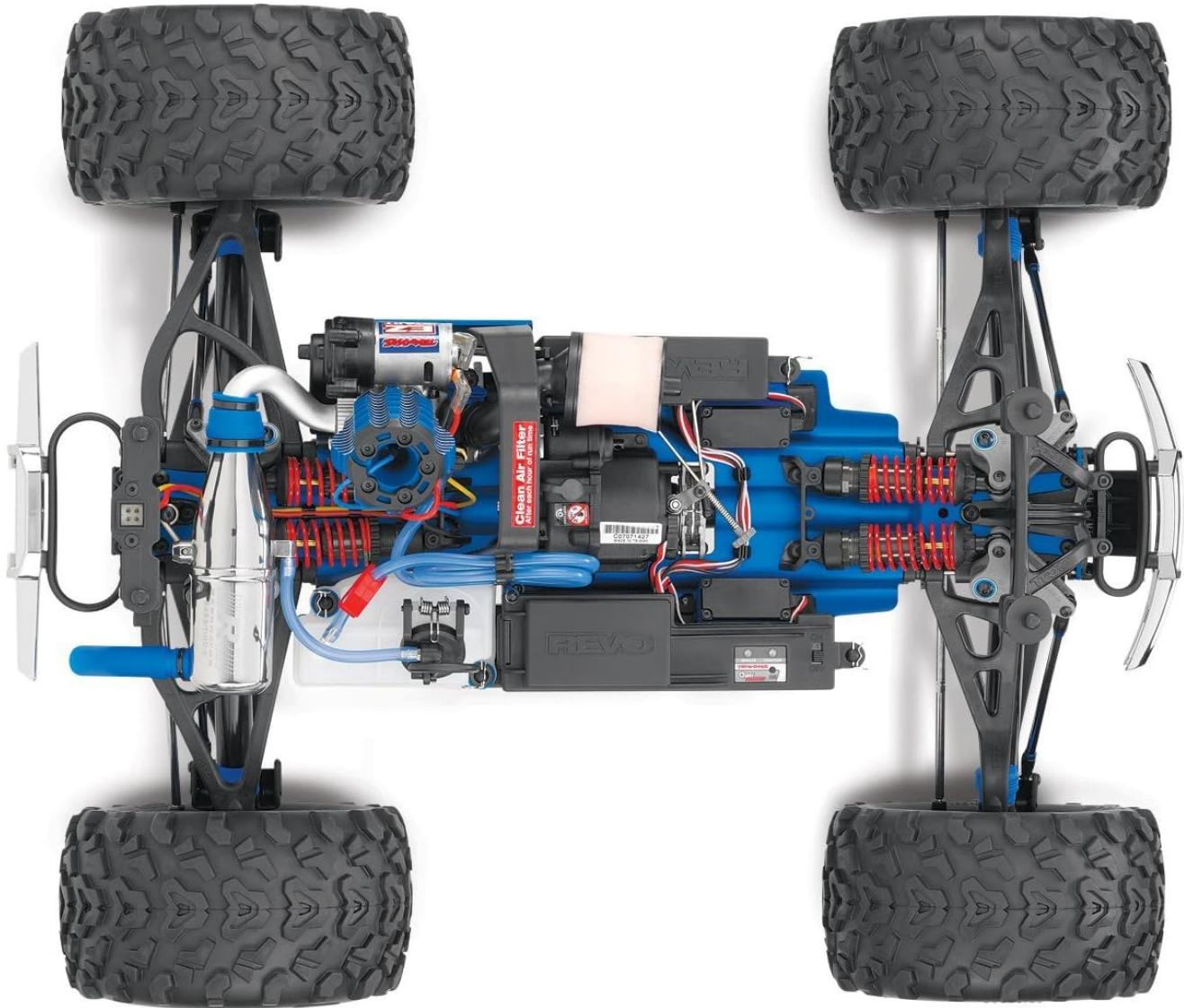


Figure 3.1: Overhead view of the Revo 3.3 chassis, highlighting the engine, fuel tank, and air filter for easy identification during setup.

For a visual guide on nitro engine startup and break-in, refer to the video below:

Your browser does not support the video tag.

Video 3.1: Detailed instructions on how to perform the first startup and break-in procedure for a nitro RC car, including troubleshooting tips.

## 4. OPERATING YOUR REVO 3.3

The Traxxas Revo 3.3 is designed for high-performance off-road driving. Familiarize yourself with the controls before operating in open areas.

### 1. Remote Control Operation:

- Turn on the transmitter first, then the receiver on the truck.
- The trigger controls throttle (forward) and brake/reverse (backward).
- The steering wheel controls left and right movement.
- Adjust steering trim on the transmitter if the vehicle does not track straight.

## 2. Starting the Engine:

- Ensure the fuel tank is full and the engine is primed.
- Attach the EZ-Start igniter to the glow plug.
- Press and hold the EZ-Start button on the transmitter. The engine should start within a few seconds.
- Once started, remove the EZ-Start igniter.

3. **Driving:** Gradually apply throttle to accelerate. The Revo 3.3 features a heavy-duty reversing transmission, allowing you to switch between forward and reverse with a flick of a switch on the transmitter.

4. **Braking:** Push the throttle trigger forward (away from you) to engage the brakes. For emergency stops, apply full brake.



*Figure 4.1: The Traxxas Revo 3.3 in action, demonstrating its powerful stance and off-road capabilities.*

## 5. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your Revo 3.3.

- **After Each Run:**

- Clean the vehicle: Remove dirt, mud, and debris from the chassis, suspension, and engine. Use compressed air or a soft brush.
- Inspect for damage: Check for loose screws, damaged parts, or worn tires.
- Empty fuel tank: Do not leave fuel in the tank for extended periods.
- Charge batteries: Recharge the receiver and EZ-Start batteries.

- **Engine Maintenance:**

- **Air Filter:** Clean and re-oil the air filter regularly, especially after dusty conditions. A dirty air filter can severely impact engine performance and life.
- **Glow Plug:** Inspect the glow plug for wear. Replace if the element is broken or corroded.
- **After-Run Oil:** Apply a few drops of after-run oil into the carburetor after the last run of the day to protect internal engine components from corrosion.
- **Suspension:** Check the shock absorbers for leaks and ensure smooth operation. Inspect the long travel rocker arms for any signs of wear or damage.
- **Drivetrain:** Periodically inspect the gears and drive shafts for wear. Keep moving parts lubricated as per the detailed product manual.



*Figure 5.1: Close-up view of the Revo 3.3's robust chassis and suspension system, highlighting key areas for inspection and maintenance.*

## 6. TROUBLESHOOTING

Here are some common issues and their solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Engine won't start	No fuel, dead glow plug, engine not primed, flooded engine, dead EZ-Start battery.	Check fuel level, replace glow plug, prime engine, clear flooded engine (refer to manual), charge EZ-Start battery.
Loss of power/stalling	Low fuel, dirty air filter, improper engine tuning, overheating.	Refuel, clean/oil air filter, adjust engine tuning (refer to manual), allow engine to cool.
Vehicle not responding to remote	Dead transmitter/receiver batteries, out of range, binding issue.	Replace/charge batteries, ensure vehicle is within range, re-bind transmitter and receiver (refer to manual).
Excessive smoke from exhaust	Engine running too rich (too much fuel).	Lean out the high-speed needle on the carburetor (refer to manual for tuning).

For further assistance with nitro engine troubleshooting, consult the provided video:

Your browser does not support the video tag.

*Video 6.1: A comprehensive guide to troubleshooting common issues during the first startup and break-in of a nitro RC car.*

## 7. SPECIFICATIONS

Feature	Detail
Product Dimensions	20.65 x 17.5 x 11.02 inches
Item Weight	10 pounds
ASIN	B01GJJUTM
Item Model Number	53097-3 BLUE
Manufacturer Recommended Age	14 years and up
Batteries	1 Product Specific batteries required. (included)
Manufacturer	Traxxas
First Available	June 3, 2016
Engine	TRX 3.3 Racing Engine
Drive System	4WD
Transmission	Heavy-duty reversing transmission with OptiDrive Electronic Shift Module
Radio System	TQi 2.4GHz Transmitter with Traxxas Link wireless module
Tires	6.3" Maxx-sized tires

Feature	Detail
Chassis	3mm 6061 aluminum, blue-anodized and T6 hardened

## 8. WARRANTY AND SUPPORT

Traxxas products are backed by a comprehensive warranty against defects in materials and workmanship. For detailed warranty information, service, and technical support, please visit the official Traxxas website or contact their customer service department directly. Keep your proof of purchase for warranty claims.

**Online Resources:** For additional tips, FAQs, and community forums, visit the [Traxxas Store on Amazon](#) or the official Traxxas website.

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