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› Redcat Racing Blackout XTE Electric Monster Truck User Manual

Redcat Racing BLACKOUT-XTE-REDTRUCK

Redcat Racing Blackout XTE Electric Monster Truck User Manual

Model: BLACKOUT-XTE-REDTRUCK

Brand: Redcat Racing

INTRODUCTION

The Redcat Racing Blackout XTE is a 1/10 scale electric monster truck designed for robust performance and off-road adventures. It features a powerful brushed electric motor, waterproof electronics, and a durable 4WD shaft-driven system. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your vehicle.



SAFETY INFORMATION

WARNING: Redcat Racing vehicles are hobby-grade and operate at high speeds. Always exercise extreme caution during operation to prevent injury to yourself or others, and to avoid property damage.

- Never operate the vehicle on public roads or near pedestrians, children, or animals.
- Always operate the vehicle in a safe, open area with sufficient space.
- Adult supervision is required for operation by children.
- Do not touch the motor, Electronic Speed Control (ESC), or other electronic components immediately after use, as they can become very hot and cause burns.
- Never attempt to re-assemble the motor, ESC, and receiver. These components are factory-calibrated. Any malfunction incurred by contrived upgrading and modification will void all warranty.
- Always ensure proper ventilation when charging batteries. Never charge unattended.
- Use only the specified battery types and chargers. Mixing battery types or using incorrect chargers can lead to fire or explosion.

WHAT'S IN THE BOX

Your Redcat Racing Blackout XTE package includes the following items:

- Redcat Racing Blackout XTE 1/10 Scale Electric Monster Truck (Red)
- 2.4GHz Radio System (Transmitter)
- 7.2V 3000mAh NiMH Battery
- Battery Charger
- User Manuals (Vehicle Specific and Electric Vehicle Manual)

SETUP

1. Transmitter Battery Installation

The 2.4GHz radio transmitter requires 8 AA batteries (not included). Ensure correct polarity when installing the batteries.

- Open the battery compartment on the back of the transmitter.
- Insert 8 AA batteries, observing the polarity markings (+/-).
- Close the battery compartment securely.
- **Note:** Never mix old and new batteries, or alkaline and rechargeable batteries.

2. Charging the Vehicle Battery

The included 7.2V 3000mAh NiMH battery must be fully charged before first use. Always follow the instructions provided

with your specific charger.

- Remove the battery pack from the vehicle.
- Connect the battery to the charger. Ensure the connection is secure and fully seated to prevent arcing or overheating.
- Plug the charger into a suitable power outlet.
- Monitor the charging process. The indicator light on the charger will typically change color (e.g., from red to green) when charging is complete.
- Once charged, disconnect the battery from the charger.

Your browser does not support the video tag.

Video 1: Redcat Racing Electric Vehicle Use and Care. This video provides a quick start guide for electric Redcat Racing vehicles, covering initial setup, safety, and basic operation.

3. Vehicle Battery Installation

- Ensure the vehicle's power switch is in the "OFF" position.
- Carefully place the charged battery into the battery tray of the Blackout XTE.
- Connect the battery connector to the ESC connector. Ensure a firm and complete connection.
- Secure the battery in place using the provided battery straps or clips.



Figure 2: Chassis view of the Blackout XTE with the battery installed.

OPERATING YOUR VEHICLE

1. Powering On

- First, turn on the 2.4GHz radio transmitter. The indicator light should illuminate.

- Next, turn on the power switch on the Blackout XTE. The vehicle's electronics will initialize.
- **Important:** Always turn on the transmitter first and turn it off last to prevent loss of control.

2. Basic Controls

- **Throttle:** Pull the trigger on the transmitter towards you to accelerate forward.
- **Brake:** Push the trigger away from you to apply the brake.
- **Reverse:** After braking, push the trigger away from you again to engage reverse.
- **Steering:** Turn the steering wheel on the transmitter left or right to steer the vehicle.

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Video 2: Redcat Racing Blackout XTE in action. This video demonstrates the truck's performance and handling in various outdoor conditions.

3. Transmitter Adjustments

- **Steering Trim:** If the vehicle does not track straight when the steering wheel is centered, adjust the steering trim knob until it drives in a straight line.
- **Throttle Trim:** If the vehicle moves forward or backward without throttle input, adjust the throttle trim knob until it remains stationary.
- **Steering Dual Rate:** This adjustment limits the maximum steering angle. If the vehicle is difficult to control or rolls over frequently during turns, reduce the steering dual rate.

MAINTENANCE

Regular maintenance will extend the life and performance of your Blackout XTE.

- **Cleaning:** After each run, especially in dirty or wet conditions, clean the vehicle to remove dirt, mud, and debris. Use compressed air or a soft brush. While electronics are waterproof, avoid submerging the entire vehicle.
- **Inspecting Screws:** Periodically check all screws for tightness. Apply blue (medium strength) thread locker to screws threaded into metal components. Do NOT use thread locker on screws threaded into plastic.
- **Shock Absorbers:** Inspect the oil-filled adjustable shocks for leaks or damage. Ensure they operate smoothly.
- **Drivetrain:** Check the gears and driveshafts for any obstructions or excessive wear.
- **Battery Care:** Store batteries in a cool, dry place. For NiMH batteries, it's recommended to fully discharge them before long-term storage. For LiPo batteries, store them at a "storage charge" voltage (refer to your LiPo charger manual).

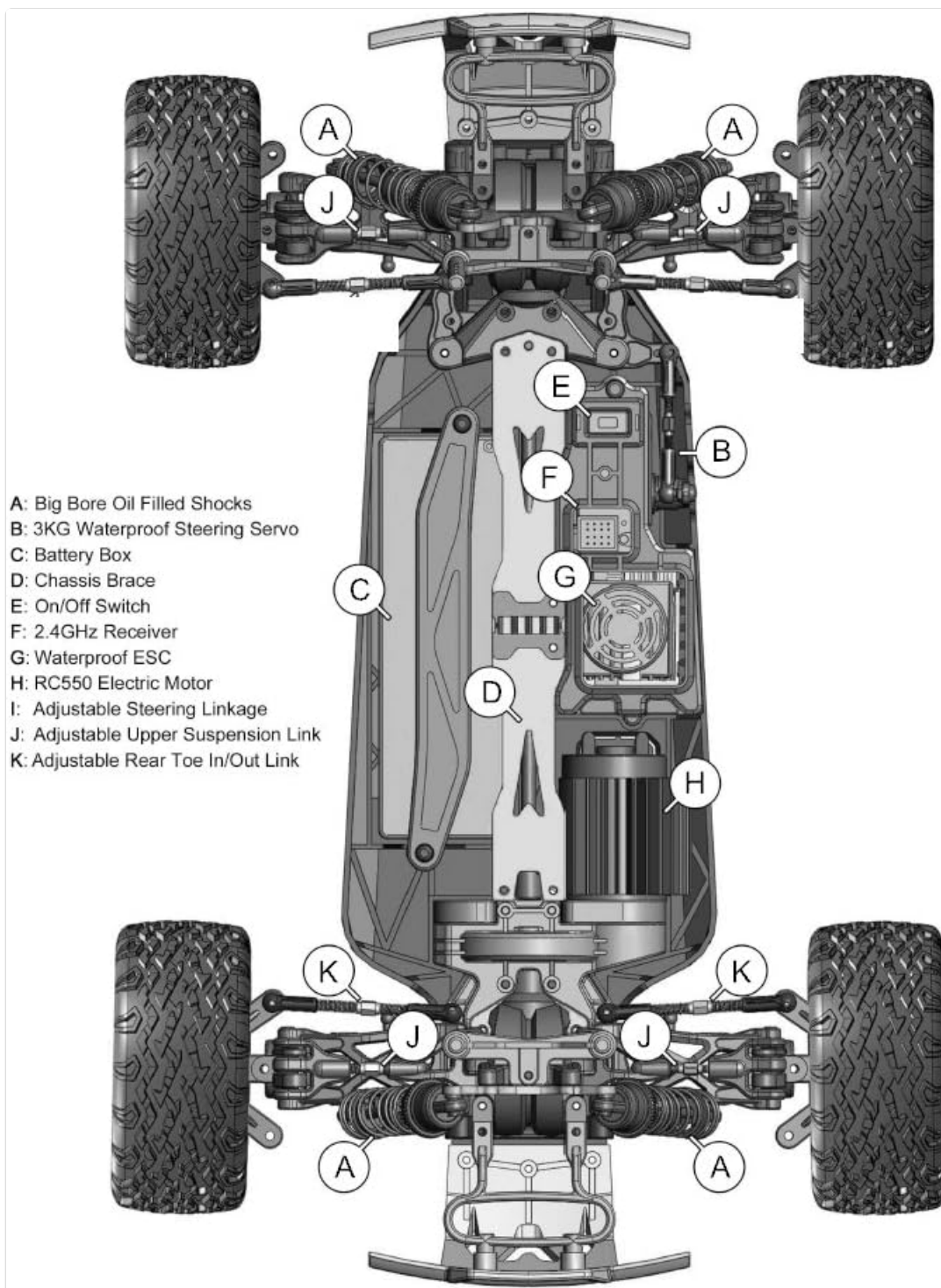


Figure 3: Detailed bottom view diagram of the Blackout XTE chassis, highlighting key components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	Transmitter or vehicle not powered on; low battery in transmitter or vehicle; binding issue.	Ensure both are powered on (transmitter first). Check and replace/charge batteries. Re-bind transmitter to receiver (refer to radio system manual).

Problem	Possible Cause	Solution
Vehicle drives slowly or stops unexpectedly.	Low vehicle battery; motor/ESC overheating; debris in drivetrain.	Recharge battery. Allow motor/ESC to cool down. Inspect and clear any debris from gears and axles.
Steering is erratic or unresponsive.	Loose steering components; damaged servo; incorrect steering trim.	Check steering linkages and servo horn for tightness. Adjust steering trim. If problem persists, servo may need replacement.
Motor is hot after operation.	Normal for brushed motors; excessive load or continuous high-speed running.	This is normal. Avoid touching the motor immediately after use. Allow adequate cooling time between runs.

For more detailed troubleshooting, please refer to the comprehensive user manual or contact Redcat Racing support.

SPECIFICATIONS

- **Model:** BLACKOUT-XTE-REDTRUCK
- **Scale:** 1/10
- **Motor:** RC550 Brushed Electric Motor
- **Drive System:** 4-Wheel Drive (4WD)
- **ESC:** 40A Brushed Waterproof ESC
- **Shocks:** Oil Filled Adjustable Shocks
- **Battery:** 7.2V 3000mAh NiMH (included)
- **Radio System:** 2.4GHz
- **Product Dimensions:** 17.5 x 11 x 5.5 inches
- **Item Weight:** 8 pounds
- **Manufacturer Recommended Age:** 14 years and up
- **First Available:** October 22, 2014

WARRANTY AND SUPPORT

Redcat Racing provides support for its products. Please note the following regarding warranty:

- Any malfunction incurred by contrived upgrading and modification will void all warranty.
- For assistance, please contact Redcat Racing support.

Contact Information:

Phone: 602-454-6445

Email: support@redatracing.com

Additional resources, including a detailed user guide, may be available on the Redcat Racing website or via the provided PDF link: [User Guide \(PDF\)](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question