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Traxxas 3483

Traxxas 3483 2000Kv 77mm Brushless Motor Instruction Manual

Model: 3483

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Traxxas 3483 Velineon 2000Kv 77mm Brushless Motor. Please read these instructions carefully before use to ensure proper function and longevity of your motor.

The Traxxas 3483 motor is designed to deliver high torque and horsepower, suitable for the Traxxas Sledge™ model.

SAFETY INFORMATION

Always observe the following safety precautions when handling and operating your brushless motor:

- Disconnect the battery before performing any maintenance or installation.
- Brushless motors can generate significant heat during operation. Allow the motor to cool before handling.
- Ensure all electrical connections are secure and properly insulated to prevent short circuits.
- Use only compatible electronic speed controllers (ESCs) and batteries as recommended by Traxxas.
- Keep fingers and loose clothing away from rotating parts.

PRODUCT OVERVIEW

The Traxxas 3483 Velineon 2000Kv 77mm Brushless Motor is a high-performance component for RC vehicles. It features 6.5mm connectors for robust power transfer.

Key Features:

- Velineon 2000Kv rating for high RPM and power.
- 77mm motor length.
- Equipped with 6.5mm connectors.
- Designed for the Traxxas Sledge™ model.

Included Components:

- Traxxas 3483 Velineon 2000Kv 77mm Brushless Motor.



Image 1: Front view of the Traxxas 3483 Velineon 2000Kv 77mm Brushless Motor, showing the ribbed casing and the three power wires with 6.5mm connectors.



Image 2: Rear view of the Traxxas 3483 Velineon 2000Kv 77mm Brushless Motor, showing the mounting holes and the motor shaft extending from the end.

SETUP AND INSTALLATION

This section provides general guidelines for installing the Traxxas 3483 motor. Refer to your specific

vehicle's instruction manual (e.g., Traxxas Sledge™) for detailed installation steps and diagrams.

- Preparation:** Ensure your vehicle's battery is disconnected. Remove the existing motor if applicable.
- Mounting:** Secure the Traxxas 3483 motor into the motor mount of your vehicle using appropriate screws. Ensure the motor is firmly seated.
- Gear Mesh Adjustment:** Properly adjust the gear mesh between the motor pinion gear and the vehicle's spur gear. A correct gear mesh is crucial for efficient power transfer and to prevent premature wear. There should be a small amount of play, similar to the thickness of a piece of paper, between the teeth.
- Electrical Connections:** Connect the three motor wires to your electronic speed controller (ESC). Ensure the connections are secure and match the ESC's phase outputs (typically A, B, C or 1, 2, 3). Incorrect wiring can damage the motor or ESC. The 6.5mm connectors on the motor are designed for high current flow.
- Sensor Wire (if applicable):** If your ESC and motor support sensored operation (this motor is typically sensorless), connect the sensor wire harness between the motor and ESC.
- Final Check:** Double-check all connections and mounting screws before reconnecting the battery.

OPERATING GUIDELINES

Once installed, follow these general operating guidelines for your Traxxas 3483 brushless motor:

- Initial Test:** After installation, perform a low-speed test to ensure the motor spins smoothly and in the correct direction. If the motor spins backward, consult your ESC manual for reversing motor direction.
- Temperature Monitoring:** Regularly monitor motor temperature during operation. Excessive heat can damage the motor. If the motor becomes too hot to touch (above approximately 160°F / 71°C), allow it to cool down. Adjust gearing or driving style if overheating persists.
- Battery Compatibility:** Use batteries that are compatible with your ESC and motor's voltage and current requirements.
- Environmental Conditions:** Avoid operating the motor in excessively wet or dusty conditions unless the vehicle is specifically designed for such environments.

MAINTENANCE

Regular maintenance helps ensure the longevity and performance of your Traxxas 3483 motor:

- Cleaning:** Periodically clean the motor to remove dirt, dust, and debris. Use compressed air or a soft brush. Avoid using solvents that could damage the motor windings or bearings.
- Bearing Inspection:** Check the motor bearings for smooth operation. If bearings feel rough or noisy, they may need replacement.
- Wire and Connector Inspection:** Inspect motor wires and connectors for any signs of wear, fraying, or corrosion. Replace damaged components immediately.
- Mounting Screws:** Ensure all motor mounting screws remain tight. Vibration can loosen screws over time.

TROUBLESHOOTING

If you encounter issues with your Traxxas 3483 motor, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Motor not spinning or stuttering	Loose connections, damaged wires, ESC issue, incorrect gear mesh.	Check all motor-to-ESC connections. Inspect wires for damage. Verify ESC is functioning correctly. Adjust gear mesh.
Motor overheating	Over-gearing, excessive load, insufficient cooling, damaged bearings.	Reduce pinion gear size or increase spur gear size. Reduce vehicle load. Ensure proper airflow. Inspect and replace bearings if necessary.
Reduced power or speed	Low battery charge, incorrect ESC settings, motor damage.	Charge battery fully. Check ESC programming. Inspect motor for physical damage.

If the problem persists after attempting these solutions, contact Traxxas customer support or consult a qualified technician.

SPECIFICATIONS

Specification	Value
Model Number	3483
Kv Rating	2000Kv
Motor Length	77mm
Connectors	6.5mm
Product Dimensions	5.5 x 3.1 x 1.03 inches
Item Weight	9.6 ounces
Manufacturer	Traxxas
Compatible Vehicle	Traxxas Sledge™

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please visit the official Traxxas website or contact their customer service department.

You can find more information and support resources at the [Traxxas Store on Amazon](#).