

## Manuals+

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

manuals.plus /

> [Kyosho](#) /

> [Kyosho Speed House Torx8 BLS - 2000Kv E-Motor Instruction Manual](#)

## Kyosho Torx8 BLS - 2000Kv

# Kyosho Speed House Torx8 BLS - 2000Kv E-Motor Instruction Manual

Model: Torx8 BLS - 2000Kv

## 1. INTRODUCTION

Thank you for choosing the Kyosho Speed House Torx8 BLS - 2000Kv E-Motor. This high-performance brushless motor is designed for demanding RC applications, offering reliability and power. This manual provides essential information for the proper installation, operation, and maintenance of your motor to ensure optimal performance and longevity.

## 2. SAFETY PRECAUTIONS

Please read and understand all safety warnings before operating this product. Failure to follow these instructions may result in injury or damage to the product or property.

- Always disconnect the battery from the motor and Electronic Speed Controller (ESC) when not in use or during maintenance.
- Ensure proper ventilation during operation to prevent overheating.
- Keep fingers and loose clothing away from rotating parts (motor shaft, gears, propeller) to avoid injury.
- Use only compatible ESCs and batteries that meet the motor's specifications.
- Avoid operating the motor in wet conditions unless specifically designed for it.
- This product is not a toy. Keep out of reach of children.
- Observe all local regulations and laws regarding the operation of RC vehicles.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Kyosho Speed House Torx8 BLS - 2000Kv E-Motor
- Instruction Manual (this document)
- Mounting Screws (quantity may vary)
- Motor Wires (pre-soldered or loose, depending on model)



*Image: The Kyosho Speed House Torx8 BLS - 2000Kv E-Motor. This image shows the compact design and typical appearance of the brushless motor, including its casing and output shaft.*

## 4. SETUP AND INSTALLATION

### 4.1 Motor Mounting

1. Ensure the motor mount in your vehicle is clean and free of debris.
2. Align the motor with the mounting holes on your vehicle's chassis.
3. Secure the motor using the provided mounting screws. Do not overtighten, as this can strip threads or damage the motor casing.
4. For optimal performance, apply a small amount of thread-locking compound to the screws.

### 4.2 ESC Connection

Connect the three motor wires to the corresponding output wires of your Electronic Speed Controller (ESC). For sensorless brushless motors, the connection order of the three wires typically does not matter for initial function, but reversing any two wires will reverse the motor's rotation direction. For sensored motors, ensure the sensor wire is also connected correctly.

### 4.3 Gear Mesh Adjustment

Proper gear mesh is critical for efficiency and longevity. Adjust the motor position so that the pinion gear and spur gear have a small amount of play, similar to a sheet of paper thickness between them. Too tight a mesh will cause excessive wear and heat; too loose will cause stripping.

## 5. OPERATING INSTRUCTIONS

### 5.1 Initial Power-Up

1. Ensure all connections are secure and correct.
2. Connect the battery to the ESC.
3. Turn on your radio transmitter, then turn on the ESC.
4. Perform a brief function test to ensure the motor spins freely and in the desired direction.

### 5.2 Monitoring Temperature

Regularly monitor the motor's temperature during and after operation. Excessive heat can damage the motor. If the motor becomes too hot to touch (typically above 80°C / 176°F), allow it to cool down before further use. Adjust gearing or driving style if overheating persists.

## 6. MAINTENANCE

Proper maintenance will extend the life and performance of your motor.

- **Cleaning:** Periodically clean the motor exterior to remove dirt, dust, and debris. Use a soft brush or compressed air. Avoid using solvents that may damage the motor casing or internal components.
- **Bearing Inspection:** Check motor bearings for smooth operation. If bearings feel rough or noisy, they may need replacement.
- **Wire Inspection:** Regularly inspect motor wires and connectors for any signs of wear, fraying, or corrosion. Repair or replace damaged wires immediately.
- **Storage:** Store the motor in a clean, dry place away from extreme temperatures and direct sunlight.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Motor not spinning	<ul style="list-style-type: none"><li>• Loose wire connections</li><li>• ESC not calibrated</li><li>• Damaged motor or ESC</li></ul>	<ul style="list-style-type: none"><li>• Check and secure all connections.</li><li>• Recalibrate the ESC with your transmitter.</li><li>• Inspect motor and ESC for visible damage; test with known working components.</li></ul>
Motor overheating	<ul style="list-style-type: none"><li>• Incorrect gearing (too high)</li><li>• Excessive load</li><li>• Poor ventilation</li></ul>	<ul style="list-style-type: none"><li>• Reduce pinion gear size or increase spur gear size.</li><li>• Reduce vehicle weight or operating intensity.</li><li>• Improve airflow around the motor; consider a motor fan.</li></ul>
Motor cogging or stuttering	<ul style="list-style-type: none"><li>• Poor ESC timing settings</li><li>• Low battery voltage</li><li>• Sensor wire issue (if sensored motor)</li></ul>	<ul style="list-style-type: none"><li>• Adjust ESC timing settings.</li><li>• Charge or replace battery.</li><li>• Check sensor wire connection and integrity.</li></ul>

## 8. SPECIFICATIONS

---

Feature	Detail
Model	Torx8 BLS - 2000Kv
Brand	Kyosho
Kv Rating	2000Kv (RPM per Volt)
Type	Brushless E-Motor
Manufacturer	Kyosho
Package Dimensions	5.5 x 3.5 x 2.75 inches

## 9. WARRANTY AND SUPPORT

---

For warranty information and technical support, please refer to the official Kyosho website or contact your local Kyosho distributor. Keep your proof of purchase for any warranty claims. Specific warranty terms may vary by region and product.

**Kyosho Official Website:** [www.kyosho.com](http://www.kyosho.com)