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Minn Kota 1363771

Minn Kota Riptide Terrova Trolling Motor User Manual

Model: 1363771 (55 Lb. Thrust, 60 In. Shaft, Saltwater)

1. Introduction

This manual provides instructions for the installation, operation, maintenance, and troubleshooting of your Minn Kota Riptide Terrova Bow-Mount Electric Trolling Motor. The Riptide Terrova is designed for saltwater use, featuring advanced GPS trolling capabilities including Spot-Lock, and robust corrosion protection.
Key features include:

- **One-Touch Deploy & Stow Lever:** For easy motor deployment and retrieval.
- **Precision GPS Trolling System with Spot-Lock and Jog:** Maintains precise position and allows fine adjustments.
- **Marine Corrosion Protection:** Enhanced durability in saltwater environments.
- **Customizable Control:** Wireless remote with LCD screen for comprehensive control.
- **Efficient Power Management:** Digital Maximizer technology for extended battery life.



Figure 1: Minn Kota Riptide Terrova Bow-Mount Electric Trolling Motor.

2. Safety Information

Always read and understand all safety warnings and instructions before operating this product. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- Ensure the motor is securely mounted before use.
- Disconnect power before performing any maintenance or propeller changes.
- Keep hands and loose clothing clear of the propeller when the motor is in operation.
- Do not operate the motor if the propeller is obstructed.
- Use appropriate circuit protection (fuses or circuit breakers) as recommended by the manufacturer.
- Always wear a personal flotation device when on the water.

3. What's in the Box

Verify that all components are present before beginning installation:

- Riptide Terrova 55 lb. 60" shaft trolling motor
- Wireless Remote
- Lanyard
- Heading Sensor
- MKP-32 Prop
- Mounting Hardware

4. Setup and Installation

The Riptide Terrova is designed for bow-mount installation. Proper installation is crucial for optimal performance and safety.

4.1 Mounting the Motor

1. Position the motor on the bow of your boat, ensuring the shaft can deploy and stow without obstruction.
2. Mark the drilling locations for the mounting hardware.
3. Drill appropriate holes and secure the motor using the provided mounting hardware. Ensure all fasteners are tightened to the manufacturer's specifications.
4. Verify the motor is stable and does not wobble.



Figure 2: Securely mount the motor base to the bow of the boat.

4.2 Electrical Connection

Connect the motor to a 12-volt marine battery system. Ensure proper polarity and use appropriate gauge wiring and circuit

protection.

1. Connect the positive (+) motor lead (red) to the positive (+) terminal of your battery.
2. Connect the negative (-) motor lead (black) to the negative (-) terminal of your battery.
3. Install a circuit breaker or fuse (not included) as close to the battery as possible to protect the motor and wiring.



Figure 3: Power connection point and battery meter on the motor base.

4.3 Heading Sensor Installation

Install the heading sensor in a location free from magnetic interference, typically away from large metal objects or other electronics. This sensor is crucial for accurate GPS functions like Spot-Lock.

5. Operating Instructions

5.1 Deploying and Stowing the Motor

To deploy the motor, press the One-Touch Deploy & Stow Lever and gently slide the motor into the water. To stow, lift the motor using the lever and secure it in the stowed position.





Figure 4: Riptide Terrova motor deployed for use.

5.2 Wireless Remote Control

The wireless remote provides full control over the motor's functions. Familiarize yourself with the buttons and LCD screen for speed, steering, and advanced GPS features.

Your browser does not support the video tag.

Video 1: Overview of the Minn Kota Riptide Terrova Trolling Motor, demonstrating its features and controls.

5.3 GPS Trolling System (i-Pilot)

The integrated GPS system offers precise boat positioning and control.

- **Spot-Lock:** Automatically holds your boat's position, even in wind and current. Activate by pressing the anchor button on the remote.
- **Spot-Lock Jog:** Allows you to move your locked position 5 feet in any direction (forward, backward, left, right) using the remote.
- **Drift Mode:** Compensates for wind and current to maintain a consistent drift path.
- **Follow Mode:** Follows a depth contour or shoreline at a set distance.
- **Dodge Mode:** Temporarily steers around obstacles while maintaining your course.



Figure 5: The Riptide Terrova actively maintaining boat position using GPS Spot-Lock.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Riptide Terrova motor, especially in saltwater environments.

- **Rinse After Each Use:** After every saltwater use, thoroughly rinse the motor with fresh water to remove salt residue.
- **Inspect Propeller:** Regularly check the propeller for weeds, fishing line, or damage. Remove any obstructions and replace damaged propellers.
- **Check Connections:** Periodically inspect all electrical connections for corrosion or looseness. Clean and tighten as necessary.
- **Lubrication:** Refer to the full owner's manual for specific lubrication points and recommended lubricants.
- **Battery Care:** Ensure your marine battery is properly charged and maintained according to the battery manufacturer's instructions.

7. Troubleshooting

If you encounter issues with your Riptide Terrova motor, consult the following common troubleshooting steps. For more complex problems, contact Minn Kota customer support.

Problem	Possible Cause	Solution
Motor not responding	Low battery, loose electrical connection, remote not paired, circuit breaker tripped.	Check battery charge, inspect connections, re-pair remote, reset circuit breaker.
Reduced thrust	Fouled propeller, low battery, damaged propeller.	Clear propeller, charge battery, replace propeller.
Inaccurate GPS positioning	Heading sensor interference, poor GPS signal, sensor not calibrated.	Relocate heading sensor, ensure clear sky view, calibrate heading sensor (refer to full manual).

8. Specifications

Feature	Detail
Brand	Minn Kota
Model Number	1363771
Thrust	55 lb
Shaft Length	60 inches
Voltage	12 volts
Mounting Type	Bow Mount
Engine Type	Electric
Operation Mode	Automatic

Feature	Detail
Material	Aluminum
Recommended Use	For Salt Water
Included Components	Riptide Terrova 55 lb. 60" shaft trolling motor; Wireless Remote; Lanyard; Heading Sensor; MKP-32 Prop; Mounting Hardware
UPC	029402050758

9. Warranty Information

The Minn Kota Riptide Terrova Trolling Motor comes with a**Three-Year Warranty with Registration**. Please refer to the official Minn Kota website or the warranty card included with your product for full terms and conditions, including registration requirements. Keep your proof of purchase for warranty claims.

10. Customer Support

For further assistance, technical support, or to purchase replacement parts, please contact Minn Kota customer service or visit their official website.

- **Online Support:** Visit the officialMinn Kota website.
- **Amazon Brand Store:** Explore other Minn Kota products and resources on theirAmazon Brand Store.

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