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› Minn Kota Riptide Fortrex Bow-Mount Electric Trolling Motor (80 Lb. Thrust, 52 In. Shaft) Instruction Manual

Minn Kota Riptide Fortrex 80 Lb. Thrust 52 In. Shaft

Minn Kota Riptide Fortrex Bow-Mount Electric Trolling Motor Instruction Manual

Model: Riptide Fortrex 80 Lb. Thrust 52 In. Shaft

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Minn Kota Riptide Fortrex Bow-Mount Electric Trolling Motor. Designed for saltwater environments, this motor features an 80 Lb. thrust and a 52-inch shaft, offering reliable performance for your marine activities. Please read these instructions thoroughly before installation and operation to ensure optimal performance and longevity of your product.



Image 1.1: The Minn Kota Riptide Fortrex Bow-Mount Electric Trolling Motor.

2. SAFETY INFORMATION

Always prioritize safety when installing, operating, and maintaining your trolling motor. Failure to follow these safety guidelines may result in injury or damage to the product.

- **Read All Instructions:** Familiarize yourself with the entire manual before use.
- **Electrical Safety:** Ensure all electrical connections are secure and properly insulated. Disconnect power before performing any maintenance or adjustments. This motor operates on 24 volts; ensure your battery system matches this requirement.
- **Propeller Safety:** Keep hands, feet, and clothing clear of the propeller at all times, especially during operation. Never operate the motor out of water.
- **Mounting Security:** Verify that the motor is securely mounted to the bow of your boat before each use.
- **Saltwater Use:** This motor is designed for saltwater. Rinse the motor with fresh water after each saltwater use to prevent corrosion.

- **Children and Bystanders:** Keep children and bystanders away from the propeller and moving parts.

3. PACKAGE CONTENTS

Verify that all components are present in the package before beginning installation.

- Minn Kota Riptide Fortrex Trolling Motor (80 Lb. Thrust, 52 In. Shaft)
- Wireless Remote (if applicable to specific model variant)
- Hold Down Strap
- Stabilizer
- Mounting Hardware
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your trolling motor.

4.1 Mounting the Motor

The Riptide Fortrex is a bow-mount motor. Position the motor on the bow of your boat, ensuring it is centered and provides adequate clearance for deployment and stowage. Use the provided mounting hardware to secure the motor bracket firmly to the boat's deck.

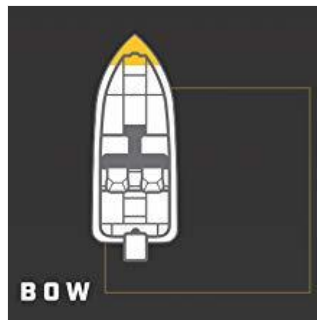


Image 4.1: Diagram illustrating bow mounting position.

4.2 Electrical Connection

This motor requires a 24-volt power supply. Connect the motor's power cables directly to a 24-volt marine battery system, ensuring correct polarity. Use appropriate gauge wiring and circuit protection as recommended by marine electrical standards.

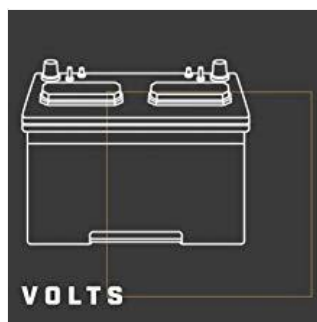


Image 4.2: Diagram indicating 24-volt power requirement.

4.3 Shaft Length Adjustment

Adjust the shaft length so that the propeller is submerged at least 12 inches below the waterline to prevent cavitation and

ensure efficient operation.

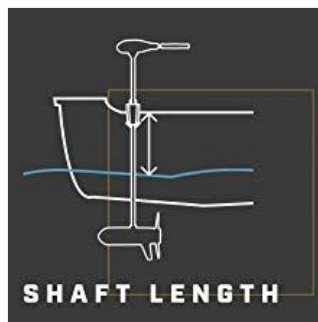


Image 4.3: Diagram illustrating proper shaft length for propeller submersion.

5. OPERATING INSTRUCTIONS

Your Riptide Fortrex motor is designed for intuitive hand-controlled operation.

5.1 Deploying and Stowage

The patented Lift-Assist design, featuring a stainless steel, nitrogen gas-charged spring, reduces the effort required to deploy and stow the motor by approximately half. To deploy, release the motor from its stowed position and gently lower it into the water. To stow, lift the motor until it locks into its horizontal position on the bow. The Bowguard 360 bracket allows the motor to break away on impact and automatically reset, protecting the motor from damage.



Image 5.1: Close-up view of the Lift-Assist mechanism for easy deployment and stowage.

5.2 Speed Control and Battery Management

This motor features variable speed control, allowing you to dial in the exact speed needed. The Digital Maximizer technology optimizes power draw, extending battery run time up to five times longer on a single charge. The push-to-test battery meter located on the motor head provides an instant status of your battery's remaining charge.



Image 5.2: Diagram illustrating thrust power.

5.3 Propeller Performance

The Weedless Wedge 2 Propeller features swept-back flared blades designed to power through dense vegetation without tangling or causing battery-draining chopping and hacking. This ensures reliable performance in various fishing conditions.



Image 5.3: An angler utilizing the Minn Kota Riptide Fortrex trolling motor on a boat.

6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your Riptide Fortrex trolling motor.

- **After Each Use (Saltwater):** Rinse the entire motor, especially the lower unit and propeller, thoroughly with fresh water to remove salt residue.
- **Propeller Inspection:** Regularly inspect the propeller for fishing line, weeds, or debris. Remove any obstructions to prevent damage to the motor shaft seal.
- **Electrical Connections:** Periodically check all electrical connections for corrosion or looseness. Clean and tighten

as necessary.

- **Shaft and Mount:** Inspect the composite shaft and mounting bracket for any signs of wear or damage. Ensure all fasteners are tight.
- **Corrosion Protection:** The motor features advanced corrosion protection with grit-blasted, aluminum-coated, and powder-coated lower unit housings. While robust, regular cleaning helps maintain this protection.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your trolling motor.

Problem	Possible Cause	Solution
Motor does not operate or has low power.	Low battery charge, loose electrical connections, blown fuse/breaker.	Check battery charge using the push-to-test meter. Inspect and tighten all electrical connections. Check and replace any blown fuses or reset breakers.
Motor is excessively noisy at higher speeds.	Damaged propeller, debris wrapped around propeller, worn motor bearings.	Inspect propeller for damage and remove any debris. If noise persists, contact authorized service for bearing inspection.
Motor gets stuck during stowage or deployment.	Obstruction in the mount, issues with Lift-Assist mechanism, corrosion.	Inspect the mounting area for obstructions. Clean and lubricate moving parts of the Lift-Assist mechanism. Ensure the Bowguard 360 bracket is free of debris.
Reduced thrust or cavitation.	Propeller damage, insufficient propeller depth, weeds/debris.	Inspect and replace damaged propeller. Adjust shaft length to ensure propeller is adequately submerged. Clear any weeds or debris from the propeller.

8. SPECIFICATIONS

Key technical specifications for the Minn Kota Riptide Fortrex 80 Lb. Thrust, 52 In. Shaft model.

Feature	Detail
Brand	Minn Kota
Model Number	1363640
Thrust	80 pounds
Shaft Length	52 inches
Voltage	24 volts
Mounting Type	Bow Mount
Operation Mode	Manual (Hand-controlled)
Material	Aluminum (Mount), Composite (Shaft)
Recommended Use	Salt Water
Item Weight	61 pounds
Included Components	Wireless Remote, Hold Down Strap, Stabilizer, Mounting Hardware

9. WARRANTY INFORMATION

The Minn Kota Riptide Fortrex Trolling Motor is backed by a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the documentation included with your product or visit the official Minn Kota website.

10. CUSTOMER SUPPORT

Should you require assistance with installation, operation, maintenance, or troubleshooting that is not covered in this manual, please contact Minn Kota customer support.

- **Online Support:** Visit the official Minn Kota website for FAQs, product registration, and additional resources.
- **Telephone Support:** Refer to your product packaging or the Minn Kota website for current contact numbers.
- **Authorized Service Centers:** For repairs or professional assistance, locate an authorized Minn Kota service center near you.

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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.

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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

