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› Minn Kota Endura Max Transom-Mount Electric Trolling Motor – 55 Lb. Thrust, 36 in. Shaft, Freshwater User Manual

Minn Kota 1352155M

Minn Kota Endura Max Transom-Mount Electric Trolling Motor User Manual

Model: 1352155M

1. INTRODUCTION

Welcome to the user manual for your Minn Kota Endura Max Transom-Mount Electric Trolling Motor. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your motor. The Endura Max series is known for its durability and reliability, featuring Digital Maximizer technology for extended battery life. Please read this manual thoroughly before using your trolling motor.



Figure 1: Overview of the Minn Kota Endura Max Trolling Motor, showing the motor head, shaft, transom mount, and propeller.



Figure 2: The Minn Kota Endura Max Trolling Motor in its operational environment, mounted on a boat.

2. KEY FEATURES

- **Lever Lock Bracket:** A robust 10-position bracket made from reinforced composite material, designed to resist flexing, warping, and UV damage, ensuring secure mounting.
- **Telescoping Tiller:** Provides intuitive and comfortable control with a six-inch telescoping handle, allowing for precise adjustment of forward and reverse speeds.
- **Digital Maximizer:** Optimizes battery life by delivering only the necessary power, extending run times up to five times longer on a single charge compared to standard motors.
- **Push-to-Test Battery Meter:** Integrated into the motor head, this feature allows for an instant check of the remaining battery life with a simple button press.
- **Power Prop:** Engineered to deliver enhanced thrust, enabling the motor to navigate through dense vegetation effectively. Includes prop pin, nut, and washer.
- **Indestructible Composite Shaft:** A Minn Kota exclusive, this composite shaft is guaranteed for life, providing

exceptional durability and resilience.

- **Cool, Quiet Power:** The lower unit is designed to run cool, extending the motor's lifespan and ensuring quiet operation on the water.

3. SETUP AND INSTALLATION

3.1 Unpacking

Carefully remove all components from the packaging. Verify that all included items are present: Endura Max 55 lb. 36" Motor, Prop Kit, and Owner's Manual.

3.2 Mounting the Motor

The Endura Max features a transom mount design for easy attachment to the stern of your boat.

1. Position the motor's Lever Lock Bracket onto the transom of your boat.
2. Tighten the transom clamp screws securely to ensure the motor is firmly attached and does not shift during operation.



Figure 3: Close-up view of the Lever Lock Bracket, demonstrating its robust design for secure transom mounting.

3.3 Propeller Installation

Install the Power Prop onto the motor shaft. Ensure the prop pin, nut, and washer are correctly assembled and tightened to prevent the propeller from detaching during use.



Figure 4: The Power Propeller, designed for efficient thrust through heavy vegetation, shown with its mounting hardware.

3.4 Battery Connection

Connect the motor to a 12-volt deep cycle marine battery. Ensure correct polarity: red to positive (+), black to negative (-). Always use appropriate battery terminals and ensure connections are tight and corrosion-free.

4. OPERATING INSTRUCTIONS

4.1 Tiller Operation

The telescoping tiller provides precise control over the motor's speed and direction.



Figure 5: The telescoping tiller handle, which extends for comfortable and intuitive operation.

1. To extend the tiller, pull the handle outwards. To retract, push it inwards.
2. Rotate the tiller handle to adjust speed. The markings on the handle indicate speed settings for both forward and reverse.



Figure 6: Close-up of the speed control markings on the tiller handle, showing settings for forward and reverse.

4.2 Digital Maximizer

The Digital Maximizer feature allows for variable speed control, optimizing power delivery and significantly extending battery life. Instead of fixed speeds, you can dial in the exact speed required, conserving energy.

4.3 Battery Meter

To check your battery's charge level, press the "Push-to-Test" button located on the top of the motor head. The indicator lights will display the current battery status.



Figure 7: Top view of the motor head, highlighting the Push-to-Test Battery Meter for quick battery status checks.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Minn Kota trolling motor.

5.1 After Each Use

- Rinse the motor with fresh water, especially after use in brackish or saltwater environments, to prevent corrosion.
- Inspect the propeller for any fishing line, weeds, or debris. Remove any obstructions to ensure efficient operation.
- Check battery connections for tightness and signs of corrosion. Clean terminals if necessary.

5.2 Periodic Maintenance

- Inspect the composite shaft for any signs of damage.
- Check the transom mount bracket for wear or damage.
- Lubricate all moving parts with a marine-grade lubricant as needed.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Motor not running or low power.	Low battery charge, loose battery connections, fouled propeller.	Check battery charge with the Push-to-Test meter. Ensure battery connections are clean and tight. Clear any debris from the propeller.
Excessive vibration or noise.	Damaged propeller, bent shaft, debris wrapped around prop.	Inspect propeller for damage and replace if necessary. Remove any debris. If shaft is bent, contact customer support.
Motor runs intermittently.	Loose wiring, faulty switch, overheating.	Check all electrical connections. Allow motor to cool down if it has been running continuously at high speed. Contact support if issue persists.

7. SPECIFICATIONS

Attribute	Detail
Brand	Minn Kota
Model Name	Endura Max Transom Mount
Part Number	1352155M
Thrust	55 Lb.
Shaft Length	36 inches
Voltage	12 Volts (DC)
Engine Type	Electric
Operation Mode	Electric
Mounting Type	Transom Mount

Attribute	Detail
Material	Aluminum (Motor components), Composite (Shaft)
Color	Black
Recommended Use	Freshwater
Included Components	Endura Max 55 lb. 36" Motor; Prop Kit; Owner's Manual

8. WARRANTY INFORMATION

The Minn Kota Endura Max Trolling Motor comes with a **2-year manufacturer's warranty** covering defects in materials and workmanship. Additionally, the Indestructible Composite Shaft is **guaranteed for life**. For detailed warranty terms and conditions, please refer to the official Minn Kota website or contact customer support.

9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue, please contact Minn Kota customer support.

For the most up-to-date contact information and support resources, please visit the official Minn Kota website: www.minnkotamotors.com

You can also visit the Minn Kota Store on Amazon for additional product information and resources: [Minn Kota Amazon Store](#)

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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.

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