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Minn Kota 1352245

Minn Kota Endura C2 45 Freshwater Transom Mounted Trolling Motor (36" Shaft) User Manual

Model: 1352245

Introduction

This manual provides detailed instructions for the safe and effective use of your Minn Kota Endura C2 45 Freshwater Transom Mounted Trolling Motor. The Endura C2 series is designed for reliable performance in freshwater environments, offering durability and ease of operation. Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of your trolling motor.

Product Overview

The Minn Kota Endura C2 45 is a 12-volt transom-mounted trolling motor with 45 pounds of thrust and a 36-inch shaft. It features a robust design for freshwater applications.

Key Features:

- **Lever Lock Bracket:** A solid 10-position bracket made from reinforced composite material, designed for quick release and resistance to flexing, warping, and UV damage.
- **Telescoping Tiller:** A six-inch telescoping tiller provides comfortable and intuitive control for steering and speed.
- **Speed Settings:** Offers 5 forward speeds and 3 reverse speeds for precise control.
- **Power Prop:** Specifically designed for 3-1/4" motor diameters, this prop delivers enhanced power to navigate through heavy vegetation.
- **Indestructible Composite Shaft:** A Minn Kota exclusive, guaranteed for life, designed to flex on impact without breaking, kinking, or corroding.
- **Cool, Quiet Power:** Engineered with large windings and commutators to dissipate heat, extending motor life and ensuring quiet operation.



Image: The Minn Kota Endura C2 45 Freshwater Transom Mounted Trolling Motor, showcasing its overall design and transom mount.

What's in the Box

Upon unpacking, ensure all the following components are present:

- Endura 45 lb. 36" Motor
- Prop Kit (includes prop pin, nut, and washer)
- Owner's Manual (this document)

Setup and Installation

Follow these steps to properly set up and install your trolling motor.

1. Attaching the Tiller Handle (if not pre-assembled):

If the tiller handle is not already attached, carefully align and snap it into place on the motor head. Ensure it is securely fastened.



Image: The telescoping tiller handle, showing its extendable design for comfortable operation.

2. Mounting the Motor to the Transom:

1. Position the motor on the boat's transom. The Lever Lock Bracket is designed for secure attachment.
2. Tighten the transom clamps firmly to secure the motor to the boat. Ensure the motor is stable and does not wobble.
3. Adjust the motor's depth using the depth adjustment knob so that the propeller is submerged at an appropriate depth, typically at least 12 inches below the water surface to prevent cavitation.



Image: Close-up of the Lever Lock Bracket, illustrating its robust design for transom mounting.

3. Propeller Installation:

If the propeller is not pre-installed:

1. Slide the propeller onto the motor shaft, aligning the pin in the shaft with the slot in the propeller.
2. Place the washer onto the shaft, followed by the propeller nut.
3. Tighten the propeller nut securely. Do not overtighten.



Image: The Power Propeller, designed for efficient propulsion through various water conditions.

4. Battery Connection:

Connect the motor's power cables to a 12-volt deep cycle marine battery.

- Connect the red (+) motor lead to the positive (+) terminal of the battery.
- Connect the black (-) motor lead to the negative (-) terminal of the battery.
- Ensure all connections are tight and secure to prevent power loss and overheating.

WARNING: Always disconnect the battery before performing any maintenance or propeller work.

Operating Instructions

The Endura C2 45 offers straightforward operation.

Speed Control:

The motor features a rotary speed selector on the tiller handle.

- Rotate the handle to select one of the 5 forward speeds.
- Rotate the handle in the opposite direction to select one of the 3 reverse speeds.
- Set the handle to the "OFF" position when not in use or when making adjustments.



Image: The tiller handle with speed settings visible, indicating forward and reverse controls.

Steering:

Steer the boat by rotating the tiller handle left or right. The motor's direction will correspond to the tiller's movement.

Telescoping Tiller:

Extend or retract the tiller handle for comfortable operation from various positions in the boat.

Maintenance

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

After Each Use:

- Rinse the motor with fresh water, especially after use in brackish or dirty water.
- Inspect the propeller for any weeds, fishing line, or debris. Remove any obstructions.
- Check all electrical connections for corrosion or looseness. Clean and tighten as necessary.

Periodic Maintenance:

- **Propeller Inspection:** Periodically remove the propeller and inspect the shaft for any debris wrapped around it. Lubricate the shaft with a silicone-based grease if needed.
- **Battery Care:** Ensure your deep cycle battery is properly charged and maintained according to the battery manufacturer's instructions.
- **Shaft Inspection:** Although the composite shaft is indestructible, regularly check for any signs of wear or damage to other components.

Troubleshooting

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

Problem	Possible Cause	Solution
Motor does not run	Loose or corroded battery connections Dead or low battery Blown fuse (if applicable)	Check and tighten all battery connections. Clean any corrosion. Charge or replace the battery. Check and replace the fuse if necessary (refer to your boat's wiring diagram).
Reduced power or speed	Low battery charge Weeds or debris on propeller Damaged propeller	Recharge the battery. Clear propeller of any obstructions. Inspect and replace propeller if damaged.
Excessive vibration or noise	Bent or damaged propeller Debris wrapped around propeller shaft	Inspect and replace propeller if bent or chipped. Remove propeller and clear any debris from the shaft.

If you experience issues not covered here, or if troubleshooting steps do not resolve the problem, please contact Minn Kota customer support.

Specifications

Feature	Detail
Brand	Minn Kota
Model Number	1352245
Thrust	45 lbs
Shaft Length	36 inches
Voltage	12 volts
Mounting Type	Transom Mount (Lever Lock Bracket)
Speed Settings	5 Forward / 3 Reverse
Control	Telescoping Tiller
Recommended Use	Freshwater
Material	Composite (Shaft)
Item Weight	22 pounds

Warranty and Support

Your Minn Kota Endura C2 45 Trolling Motor is backed by a comprehensive warranty.

Warranty Information:

- The motor comes with a **Two-Year Warranty** covering defects in materials and workmanship.

- The composite shaft is guaranteed for life against breaking, kinking, or corroding.

For detailed warranty terms and conditions, please refer to the official Minn Kota website or contact customer service.

Customer Support:

If you require assistance with installation, operation, maintenance, or warranty claims, please contact Minn Kota customer support.

- Visit the official Minn Kota website for support resources, FAQs, and contact information:www.minnkotamotors.com
- Refer to the contact details provided in the original packaging or on the product registration card.

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