

[Manuals.plus](#) /

› [Minn Kota](#) /

› Minn Kota Edge 55 Trolling Motor Instruction Manual

Minn Kota Edge 55

Minn Kota Edge 55 Trolling Motor Instruction Manual

Model: Edge 55 (Part Number: 1355957)

[Introduction](#)

[Features](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Minn Kota Edge 55 foot control trolling motor. Please read this manual thoroughly before installation and operation to ensure proper function and longevity of your product. The Minn Kota Edge 55 is designed for reliable performance in various freshwater and saltwater conditions, offering precise control and durable construction.



Figure 1: Minn Kota Edge 55 Trolling Motor mounted on a boat.

2. KEY FEATURES

- **Foot Control Operation:** Provides hands-free control for steering and speed adjustments, allowing for precise boat positioning.
- **Durable Construction:** Features a robust composite shaft and aluminum components designed for resilience against impacts and corrosion.
- **Battery Indicator:** Integrated LED display on the motor head shows current battery charge levels (100%, 50%, 20%).
- **Adjustable Shaft Length:** The 52-inch shaft can be adjusted for optimal depth in various water conditions.
- **Latching Mount:** Secure and easy-to-use latch and door mounting system for quick deployment and stowing.
- **Weedless Wedge 2 Propeller:** Designed to push weeds away and take on the thick stuff without draining power.



Figure 2: Foot control pedal with labeled functions for speed and mode selection.



Figure 3: Top view of the motor head, showing the battery indicator lights.

3. SETUP AND INSTALLATION

3.1 Mounting the Trolling Motor

1. **Positioning:** Place the trolling motor on the bow of your boat, ensuring the mounting base is level and secure. The latch and door mount system allows for easy attachment and removal.
2. **Secure Fasteners:** Use appropriate marine-grade fasteners to secure the mounting base to the boat. Ensure all bolts are tightened to the manufacturer's specifications to prevent movement during operation.
3. **Clearance:** Verify that the motor can be fully deployed and stowed without obstruction. Check for adequate clearance around the propeller and shaft.



Figure 4: The Minn Kota Edge 55 trolling motor in its mounted position.

3.2 Electrical Connection

- The Minn Kota Edge 55 operates on a 12-volt power supply. Connect the motor's power cables directly to a 12V deep cycle marine battery.
- Ensure all electrical connections are clean, tight, and properly insulated to prevent corrosion and ensure optimal performance.
- Install an appropriate circuit breaker (not included) as close to the battery as possible to protect the motor and electrical system. Refer to the motor's specifications for the recommended amperage.

4. OPERATION

4.1 Deploying and Stowing

- To deploy the motor, release the latch and gently lower the motor into the water until the propeller is at the desired depth.
- To stow the motor, lift the shaft until the motor head is clear of the water, then secure it in the latching mount. Ensure the motor is fully secured before moving the boat.

4.2 Foot Control Usage

The foot control pedal allows for intuitive control of your trolling motor:

- **Momentary On:** Press the toe end of the pedal to activate the motor. Release to stop.
- **Constant On:** Engage the side-mounted constant on switch to keep the motor running continuously. Press the toe end of the pedal to override for momentary bursts of power.
- **Speed Control:** Use the rotary dial on the side of the pedal to adjust the motor speed from minimum to maximum.
- **Steering:** Pivot the foot pedal left or right to steer the boat.



Figure 5: Detailed view of the foot control pedal, highlighting speed and mode controls.

4.3 Battery Indicator

The motor head features a battery meter with three LED indicators:

- Three lights: 100% charge
- Two lights: 50% charge

- One light: 20% charge (recharge recommended)



Figure 6: The battery indicator on the motor head provides real-time charge status.

5. MAINTENANCE

- **After Each Use:** Rinse the motor with fresh water, especially after use in saltwater, to prevent corrosion. Wipe down all surfaces.
- **Propeller Inspection:** Regularly check the propeller for weeds, fishing line, or damage. Remove any debris and inspect for cracks or chips. Replace damaged propellers immediately.
- **Electrical Connections:** Periodically inspect all electrical connections for corrosion or looseness. Clean and tighten as necessary.
- **Shaft and Mount:** Ensure the shaft moves freely and the mounting system is secure. Lubricate moving parts with a marine-grade lubricant as needed.
- **Battery Care:** Keep your marine battery charged and maintained according to the battery manufacturer's instructions.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Motor not running	No power to motor; loose electrical connection; dead battery; tripped circuit breaker.	Check battery connections; recharge battery; reset circuit breaker; ensure motor is "On" via foot pedal or constant on switch.
Reduced power or intermittent operation	Low battery charge; propeller fouled with weeds/line; damaged propeller; corroded electrical connections.	Check battery indicator and recharge; clear propeller; inspect and replace propeller if damaged; clean and tighten electrical connections.
Motor vibrates excessively	Bent or damaged propeller; debris wrapped around propeller shaft.	Inspect propeller for damage and replace if necessary; remove any debris from propeller shaft.

7. SPECIFICATIONS

Feature	Detail
Model Name	Edge 55
Part Number	1355957
Thrust	55 lbs
Voltage	12 Volts
Shaft Length	52 inches
Mounting Type	Latch & Door Mount
Control Type	Foot Control
Material	Aluminum (motor components), Composite (shaft)
Recommended Use	Freshwater and Saltwater
Item Weight	58 Pounds
GTIN/UPC	029402036325

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product at the time of purchase or visit the official Minn Kota website. For technical support, replacement parts, or service inquiries, contact Minn Kota customer service directly. Keep your purchase receipt for warranty claims.

Manufacturer: Minn-Kota

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

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