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› Minn Kota PowerDrive Pontoon Trolling Motor (Model 1358455) User Manual

Minn Kota 1358455



Minn Kota PowerDrive Pontoon Bow-Mount Electric Trolling Motor

Model: 1358455 | 55 Lb. Thrust, 48 In. Shaft, Freshwater

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Minn Kota PowerDrive Pontoon Bow-Mount Electric Trolling Motor. Please read this manual thoroughly before using your motor to ensure proper function and to prevent injury or damage.

The Minn Kota PowerDrive Pontoon Trolling Motor is designed for reliable performance on freshwater pontoon boats, offering precise control and efficient power for an enhanced boating experience.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage:

- Read and understand all instructions before operating the motor.
- Disconnect power to the motor before performing any maintenance, propeller changes, or when the motor is not in use.
- Keep hands, feet, and clothing clear of the propeller when the motor is connected to power.
- Ensure the motor is securely mounted to the boat before operation.
- Do not operate the motor in areas where swimmers or other obstacles may be present.
- Use appropriate personal flotation devices.
- Always use the recommended battery and charging equipment.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- PowerDrive 55 lb. 48" shaft trolling motor
- Corded Foot Pedal
- Mounting Hardware

4. SETUP AND INSTALLATION

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

4.1 Mounting the Motor

The PowerDrive Pontoon motor features an **Aluminum Quick Release Bracket** for effortless removal and reinstallation. This bracket provides a quiet, secure locking system that holds the motor firmly during operation.

1. Position the motor on the bow of your pontoon boat, ensuring the shaft can deploy and stow without obstruction.
2. Mark the mounting holes using the quick-release bracket as a template.
3. Drill pilot holes as recommended by the mounting hardware instructions.
4. Secure the quick-release bracket to the boat using the provided mounting hardware. Ensure all fasteners are tightened securely.
5. Attach the trolling motor to the quick-release bracket, ensuring it locks into place.



Figure 1: Minn Kota PowerDrive Pontoon Bow-Mount Electric Trolling Motor with foot pedal.

4.2 Electrical Connection

This motor operates on a **12-volt** electrical system.

- Connect the motor's power leads directly to a 12-volt deep cycle marine battery.
- Ensure proper polarity: red lead to the positive (+) terminal, black lead to the negative (-) terminal.

- Use appropriate gauge wiring and a circuit breaker (not included) as recommended by marine electrical standards to protect the motor and battery.

4.3 Foot Pedal Connection

Connect the corded foot pedal to the motor's control port. Ensure the connection is secure to prevent accidental disconnection during operation.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the motor's controls for optimal performance.

5.1 Deploying and Stowing

The motor features a **Deploy-Assist Lever**. Simply push the lever to deploy your trolling motor into the water. When you are finished, use the same lever to easily and securely stow the motor.

5.2 Foot Pedal Controls

The waterproof PowerDrive electric foot pedal provides responsive control over your motor:

- **Speed Control:** Adjust the motor's speed using the rotary dial or designated pedal area.
- **Steering:** Press the left or right side of the pedal to steer the boat.
- **Momentary On/Off:** Press and hold the designated button or area for temporary power.
- **Constant On/Off:** Press the designated button or area to engage continuous power.

5.3 Digital Maximizer and Battery Meter

The motor incorporates **Digital Maximizer technology**, which extends run time up to 5 times longer on a single charge by only using the power needed. The integrated **push-to-test battery meter** allows you to check your battery's charge level at a glance, helping you manage power for extended fishing trips.

6. MAINTENANCE

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

- **After Each Use:** Rinse the motor with fresh water, especially after use in brackish or dirty water. Wipe down the motor and shaft.
- **Propeller Inspection:** Regularly check the propeller for weeds, fishing line, or damage. Remove any obstructions and replace damaged propellers promptly.
- **Electrical Connections:** Periodically inspect all electrical connections for corrosion or looseness. Clean and tighten as necessary.
- **Shaft and Mount:** Ensure the composite shaft is free of damage. Check the quick-release bracket and mounting hardware for security.
- **Battery Care:** Follow the battery manufacturer's recommendations for charging and storage.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Motor does not run	No power to motor; Blown fuse/breaker; Loose electrical connection; Dead battery	Check battery connections; Inspect fuse/breaker; Charge battery
Reduced power or speed	Low battery charge; Propeller fouled with weeds/line; Damaged propeller	Check battery meter and charge; Clear propeller; Replace propeller
Motor vibrates excessively	Bent propeller; Loose propeller nut	Inspect and replace bent propeller; Tighten propeller nut
Foot pedal unresponsive	Loose foot pedal connection; Damaged foot pedal cable	Ensure foot pedal cable is securely connected; Contact support if cable is damaged

8. SPECIFICATIONS

Feature	Detail
Brand	Minn Kota
Model Number	1358455
Thrust	55 Lb.
Shaft Length	48 inches
Voltage	12 volts
Mounting Type	Bow Mount
Operation Mode	Automatic (via foot pedal)
Material	Aluminum (mount), Composite (shaft)
Recommended Use	Freshwater
Included Components	Trolling motor, Corded Foot Pedal, Mounting Hardware
UPC	029402051014

9. WARRANTY AND SUPPORT

Your Minn Kota PowerDrive Trolling Motor is backed by a **2-year Manufacturer Warranty**. For warranty claims, technical assistance, or to purchase replacement parts, please contact Minn Kota customer support. You can find more information and support resources by visiting the official Minn Kota store [Minn Kota Store on Amazon](#).

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