

VEVOR 881170A15

VEVOR Boat Throttle Control 881170A15 User Manual

Model: 881170A15

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your VEVOR Boat Throttle Control 881170A15. This remote control unit is designed for Mercury outboard engines, offering precise shift and throttle control through a single lever. It features a durable construction, an emergency lanyard, and a comprehensive wiring harness for seamless integration with your boat's system. Please read this manual thoroughly before installation and operation to ensure safe and efficient use of the product.

SAFETY INFORMATION

Always prioritize safety when installing and operating marine equipment. Failure to follow these instructions could result in property damage, serious injury, or death.

- Ensure the engine is off and the battery is disconnected before performing any installation or maintenance.
- Verify all connections are secure and properly insulated to prevent electrical shorts.
- Always attach the emergency lanyard to the operator before starting the engine. This feature is designed to stop the engine if the operator falls or leaves the helm.
- Familiarize yourself with the control unit's functions and the boat's response in a safe, open water area before operating in congested areas.
- Regularly inspect the control cables and electrical connections for wear, damage, or corrosion.

PRODUCT OVERVIEW AND COMPONENTS

The VEVOR Boat Throttle Control 881170A15 is a side-mounted binnacle designed for intuitive control of your outboard engine. Key components include:

- **Remote Control Lever:** Single lever for both shift and throttle.
- **Neutral Lock Lever:** Prevents accidental engagement of gear.

- **Neutral Throttle Lever:** Allows engine RPM increase without engaging gear.
- **Ignition Key Switch:** For starting and stopping the engine.
- **Lanyard Stop Switch:** Emergency engine cut-off.
- **Friction Adjustment Knob:** Adjusts the tension of the control lever.
- **Trim/Tilt Switch:** Controls the trim and tilt of the outboard motor.
- **Control Cable Harness:** 15-foot cable with 9-core plug connector and trim/tilt switch connector.
- **Emergency Lanyard Cord:** Safety device to stop the engine.

REASONABLE DESIGNS

Access to smooth and efficient work



This image displays a detailed view of the VEVOR Boat Throttle Control unit with its various components clearly labeled, including the remote control lever, neutral lock lever, neutral throttle lever, ignition key switch, lanyard stop switch, friction adjustment knob, and trim/tilt switch.



This image shows the complete VEVOR Boat Throttle Control package, including the main control unit, the long control cable, the emergency lanyard, ignition keys, mounting hardware, and a mounting plate, alongside a user manual.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of your remote control unit. Consult a qualified marine technician if you are unsure about any steps.

Mounting the Control Unit

1. Select a suitable side-mounted location on your boat's console or gunwale that allows for comfortable operation and clear access to all controls.
2. Use the provided template (if applicable) or measure the control unit to mark drilling points for mounting screws and cable routing.
3. Drill pilot holes and secure the control unit firmly to the mounting surface using appropriate marine-grade fasteners.

Connecting the Control Cables and Harness

1. Route the 15-foot control cable harness from the control unit to the outboard engine, ensuring it is protected from sharp edges, heat, and excessive bending.
2. Connect the 9-core plug connector from the harness to the corresponding receptacle on your Mercury outboard engine.
3. Connect the trim/tilt switch connector to the engine's trim/tilt wiring. Refer to your engine's service manual for specific wiring diagrams.
4. Ensure all electrical connections are clean, secure, and protected from moisture.

DURABLE CONTROL CABLE

Long cord facilitates remote power use



Thermoplastic Insulation



Remarkable Color Coding



9-Core Plug
Connector to Engine



Trim & Tilt Switch
Connection Cable



This image highlights the key features of the control cable harness, including the 9-core plug connector for the engine and the separate connections for the trim/tilt switch. The cable is designed with thermoplastic insulation and color coding for ease of installation.

OUTBOARD REMOTE CONTROL

Control your boat with ease



This image shows the VEVOR Boat Throttle Control unit installed on the side of a boat's console, demonstrating its typical placement and integration with the boat's steering wheel and other dashboard controls.

OPERATING INSTRUCTIONS

Understand the functions of the control lever and other switches for safe and effective boat operation.

Starting the Engine

1. Ensure the control lever is in the neutral position.
2. Attach the emergency lanyard cord to the operator and insert the clip into the lanyard stop switch.
3. Insert the ignition key into the key switch and turn it to the "ON" position.
4. Turn the key further to the "START" position to crank the engine. Release the key once the engine starts.

EMERGENCY LANYARD CORD

Prevent operators falling or leaving the helm



ABS Plastic Spring Buckle

Connect with the operator



Woven Nylon Fiber Cord



Premium Plastic Ring Clip

Insert into the flameout switch

This image details the components of the emergency lanyard cord, including the ABS plastic spring buckle hook for connecting to the operator, the woven nylon fiber cord for durability, and the premium plastic ring clip designed to insert into the flameout switch.

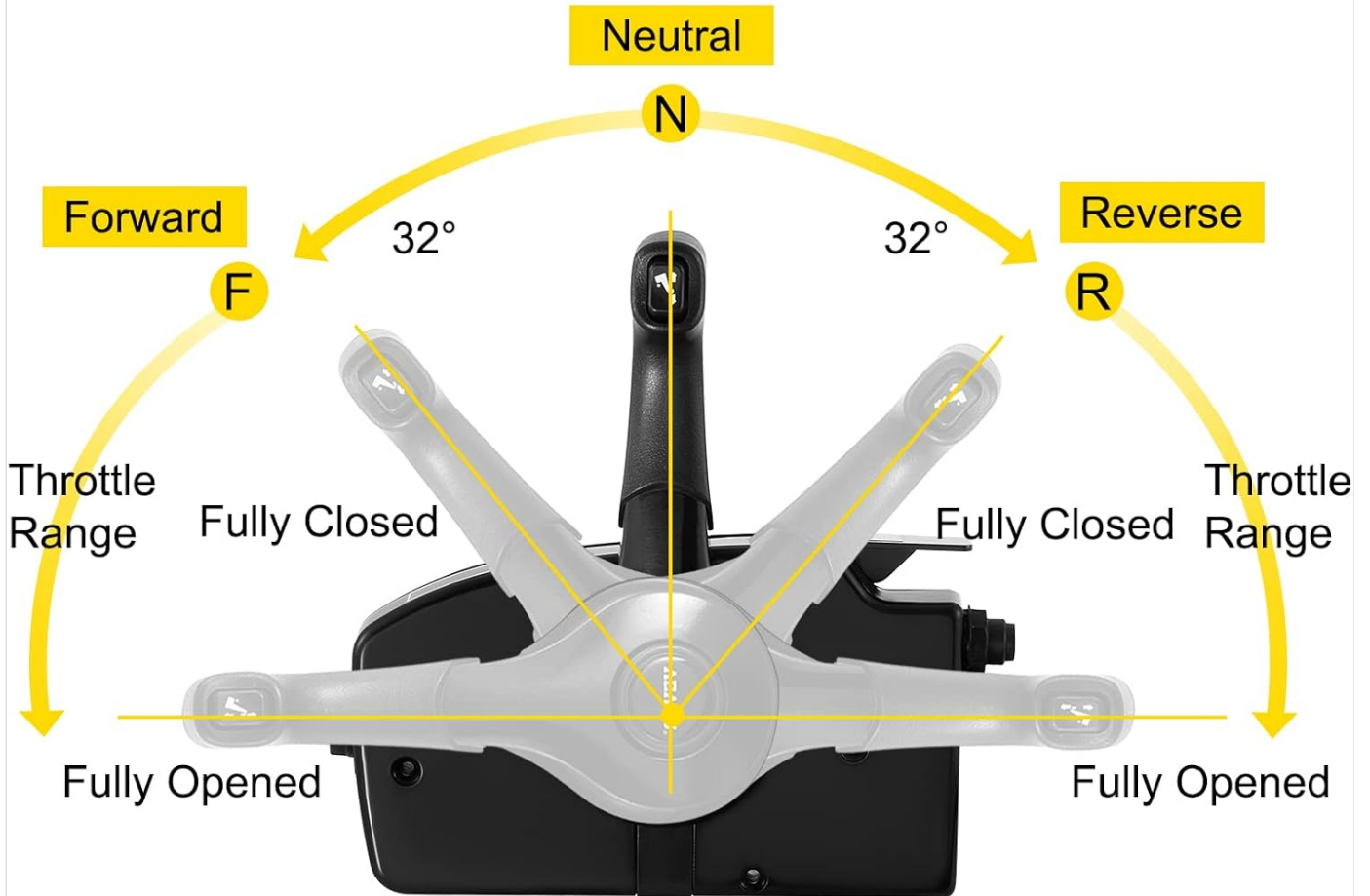
Shift and Throttle Control

The single control lever manages both gear shifting and throttle acceleration.

- **Neutral (N):** The central position where the engine runs at idle without engaging gear.
- **Forward (F):** Push the lever forward from neutral to engage forward gear.
- **Reverse (R):** Pull the lever back from neutral to engage reverse gear.
- **Throttle Control:** After engaging gear (forward or reverse), moving the lever further from the neutral position will increase engine RPM and accelerate the boat. The engine will continue to run at idle until the lever is moved approximately 32 degrees from neutral.
- **Neutral Throttle:** To increase engine RPM while in neutral (e.g., for warm-up), use the dedicated neutral throttle lever. This allows throttle control without engaging gear.

FOR BOTH SHIFT & THROTTLE

Rotate the lever to shift gear & open throttle



This diagram visually explains the movement of the control lever for both shift and throttle. It shows the neutral (N) position, the 32-degree range for engaging forward (F) or reverse (R) gear, and the subsequent throttle range from fully closed to fully opened in both directions.

Trim and Tilt Operation

- Use the trim/tilt switch located on the control unit to adjust the angle of your outboard motor.
- Pressing the switch up will trim the engine up, and pressing it down will trim the engine down.
- Refer to your outboard engine's manual for optimal trim settings for various operating conditions.

Friction Adjustment

The friction adjustment knob allows you to set the tension of the control lever. Turn the knob clockwise to increase friction (making the lever stiffer) and counter-clockwise to decrease friction (making the lever looser). Adjust to your preferred feel for smooth operation.

MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your VEVOR Boat Throttle Control.

- **Cleaning:** Wipe down the control unit regularly with a damp cloth to remove salt, dirt, and grime. Avoid abrasive cleaners or solvents.
- **Cable Inspection:** Periodically inspect the control cables for any signs of fraying, cracking, or corrosion. Ensure

they move freely without binding.

- **Electrical Connections:** Check all electrical connections for corrosion or looseness. Apply marine-grade dielectric grease to connections to prevent corrosion.
- **Lubrication:** Apply a small amount of marine-grade grease to the pivot points of the control lever and internal mechanisms as recommended by the manufacturer (refer to specific product diagrams if available).
- **Lanyard Cord:** Inspect the emergency lanyard cord for any damage or wear. Replace if necessary.

TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact VEVOR customer support.

| Problem | Possible Cause | Solution |
|--|---|--|
| Engine does not start. | Emergency lanyard not engaged; Neutral position not fully achieved; Battery low; Faulty key switch. | Ensure lanyard clip is fully inserted; Confirm lever is in neutral; Check battery charge; Inspect key switch wiring. |
| Control lever is stiff or difficult to move. | Friction adjustment too tight; Corroded or damaged control cables; Lack of lubrication. | Adjust friction knob counter-clockwise; Inspect and replace damaged cables; Lubricate pivot points. |
| Engine does not shift into gear. | Control cable disconnected or damaged; Shift mechanism on engine faulty. | Check cable connections at both ends; Inspect engine's shift linkage. |
| Trim/Tilt not working. | Electrical connection issue; Faulty trim/tilt switch; Engine trim motor issue. | Check wiring to trim/tilt switch and engine; Test switch continuity; Consult engine manual. |

SPECIFICATIONS

Technical specifications for the VEVOR Boat Throttle Control 881170A15.

- **Model:** 881170A15
- **Brand:** VEVOR
- **Color:** Black
- **Material:** Plastic
- **Engine Type Compatibility:** 2 Stroke (Compatible with Mercury Outboard)
- **Control Type:** Single Lever (Shift and Throttle)
- **Cable Length:** 15 ft (approx. 4.57 m)
- **Harness:** 9-core plug connector to engine, trim/tilt switch connector
- **Product Weight:** 10.9 lbs (4.95 kg)
- **Product Dimensions (approx.):** 3.3 x 5 x 10.8 inches (8.4 x 12.6 x 27.4 cm)

PRODUCT SPECIFICATIONS:

VEVOR®

Product Weight: 10.9 lbs (4.95 kg)

Product Size: 3.3 x 5 x 10.8 in / 8.4 x 12.6 x 27.4 cm



This image provides a visual representation of the product's dimensions (3.3 inches width, 5 inches depth, 10.8 inches height) and lists its weight as 10.9 lbs (4.95 kg). It also includes illustrative images of boats, indicating the product's application.

WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please refer to the official VEVOR website or contact VEVOR customer service directly. Keep your purchase receipt for warranty claims.

VEVOR Official Website: www.vevor.com