LOWRANCE®

Scout™

Operation manual

English



Scan for more info

www.lowrance.com

Copyright

©2026 Navico Group. All Rights Reserved. Navico Group is a division of Brunswick Corporation.

Trademarks

®Reg. U.S. Pat. & Tm. Off, and ™ common law marks. Visit **www.navico.com/intellectual-property** to review the global trademark rights and accreditations for Navico Group and other entities.

- Navico® is a trademark of Navico Group
- Lowrance® is a trademark of Navico Group
- Simrad® is a trademark of Kongsberg Maritime AS, Licensed to Navico
- ActiveTarget® is a trademark of Navico Group
- FreeSteer® is a trademark of Navico Group
- Ghost® is a trademark of Navico Group
- Recon™ is a trademark of Navico Group
- FlipSwitch™ is a trademark of Navico Group
- Quicksilver® is a trademark of Brunswick Corporation
- Bluetooth® is a trademark of Bluetooth SIG, Inc
- SD® and microSD® are trademarks of SD-3C, LLC
- NMEA® and NMEA 2000® are trademarks of the National Marine Electronics Association
- Power-Pole® is a trademark of JL Marine Systems, Inc
- QR code® is a trademark of Denso Wave Incorporated

Warranty

This product's warranty is supplied as a separate document.

Safety, disclaimer and compliance

This product's safety, disclaimer and compliance statements are supplied as a separate document.

More information

Document version: 001

For the latest version of this document in supported languages, and other related documentation, visit: **www.lowrance.com/downloads/scout**.

Contact us

For product support and service information, visit **www.lowrance.com/contact-us**.

CONTENTS

4 System components
4 Scout trolling motor
5 Remote controllers
5 Record serial number
6 Register your trolling motor
6 Other trolling motor controllers (sold separately)

8 Safety: read before operation
8 Boater's responsibilities
8 Protecting people in the water
8 Protecting your trolling motor

9 Turn on and connect
9 Turn on trolling motor
10 Bluetooth® connection
10 Pair devices

12 Deploy and stow
12 Deploy trolling motor
13 Adjust motor depth
14 Stow trolling motor
17 Change opening side on collar (optional)

18 Calibration

20 Settings
20 Boat scale
20 Arrival mode
21 Autopilot
21 Motor LED
21 Audible tones
22 Configurable keys on controllers

23 Operation
24 GPS
24 Status indicator LEDs and tones
26 Manual mode
26 Autopilot modes (Course lock and Heading lock)
28 Cruise Control
28 Anchor lock mode and Anchor jog

29 Navigation
29 Waypoints
30 Trails (routes)
30 Configure a display to receive waypoints
30 More navigation options

31 Software
31 View software version and serial numbers
31 Update software via your display
31 Update software via mobile device
32 Factory reset trolling motor

32 Maintenance
33 Before each use
33 After each use
35 Battery inspection
35 Storage preparation

35 Troubleshooting

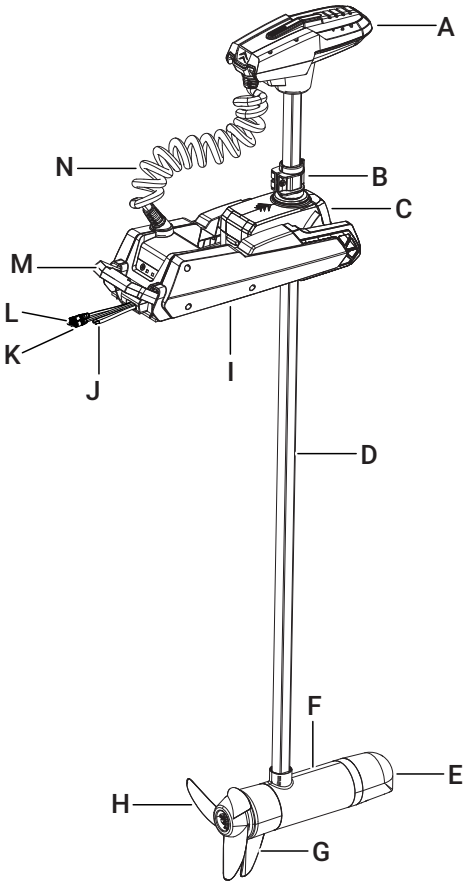
39 Error codes

SYSTEM COMPONENTS

This manual is a guide for operating the Scout trolling motor.

For information related to installing the trolling motor, refer to the Scout Installation Manual.

Scout trolling motor



A Head
B Cam lock depth collar
C Steering transmission
D Column
E Nose cone
F Lower unit
G Skeg
H Propeller
I Mount
J Power cable
K Sonar cable (sonar models only)
L NMEA 2000® cable
M Stow/deploy release lever
N Coil cable

Remote controllers

The supplied remote controller depends on the model of your Scout trolling motor.

- 12 V models come with a Compact GPS Remote.
- 24 V models come with a FreeSteer Joystick Remote.

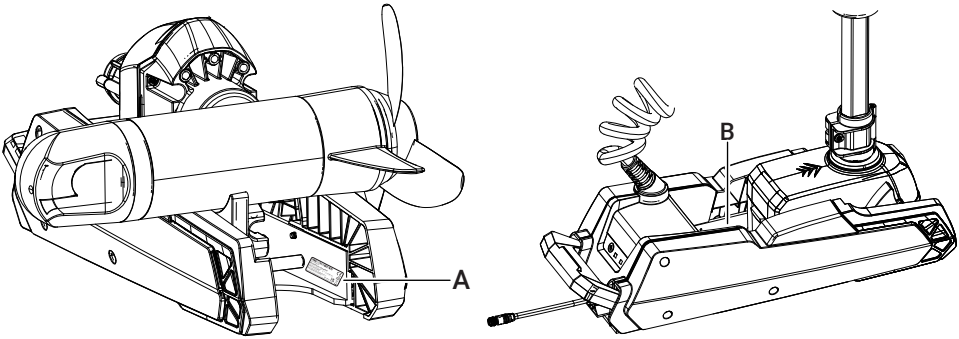
For instructions on how connect the remote and use it to operate your trolling motor, refer to the manual that came in the box with the supplied remote.

For the latest accessories, visit **www.lowrance.com/scout-trolling-motor** or scan the QR code® below.

Record serial number

It is important to record the serial number and model number for future reference.

Your trolling motor comes with two labels that display its serial number: one on the inside of the mount, which is easily accessed when the trolling motor is stowed (**A**), and the other in the recess behind the steering transmission, which is easily accessed when the trolling motor is deployed (**B**).



Register your trolling motor

Scan the QR code® below to start registering your trolling motor via the Lowrance mobile app.

➔ ***Note:*** *Your trolling motor can only be registered to one mobile app account.*

If you don't already have the Lowrance mobile app, the QR code® directs you to your device's app store, where you can install the app, create an account and start registering your trolling motor.

Later, when your trolling motor is installed, powered on and in pairing mode (refer to the Scout operator manual for instructions), your mobile app will automatically connect to your trolling motor over Bluetooth® and complete the registration process by storing your trolling motor's serial number.

Alternatively, you can register your trolling motor by completing the form at **www.lowrance.com/mfdreg**.

Other trolling motor controllers (sold separately)

Foot pedal

In addition to using the supplied remote controller, you have the option of operating your Scout trolling motor using a foot pedal. Compatible foot pedals are sold separately.

For instructions on how to install a foot pedal and use it to operate your trolling motor, refer to the manual that came in the box with the foot pedal.

For the latest accessories, visit **www.lowrance.com/scout-trolling-motor** or scan the QR code® below.

Display

You can use a compatible display (multi-function display, MFD) to set up and operate the trolling motor.

User interfaces vary between models. Ensure your display software is up to date, and check online for updates to your display's documentation.

Please note, a display is required to:

- Display and operate the trolling motor sonar (if installed)
- Operate some accessories such as Power-Pole® anchors
- Access advanced navigation functions
- Transfer software updates to the trolling motor, if your mobile device is low on battery.

Mobile app

You can use a mobile device with the Lowrance app to configure and calibrate the trolling motor, after you register the trolling motor to your profile. The app also allows you to access trolling motor settings, see your trolling motor status, and view diagnostic error codes and descriptions.

➔ *Note: Your trolling motor can only be registered to one mobile app account.*

To download the app, refer to **Register your trolling motor** on page 6.

SAFETY: READ BEFORE OPERATION

Boater's responsibilities

The operator (driver) is responsible for the correct and safe operation of the boat and safety of its occupants and general public. It is strongly recommended that each operator (driver) read and understand this entire manual before operating the trolling motor.

Ensure at least one additional person on board is instructed in the basic operation of the trolling motor in case the driver is unable to operate the boat.

The operator and all passengers should wear (or carry) flotation devices in accordance with local law.

Operators should report boating accidents to their local boating law enforcement agency.

Protecting people in the water

While you are trolling

It is difficult for a person in the water to take quick action to avoid a boat heading in their direction, even at slow speeds. Always slow down and exercise extreme caution any time you are boating in an area where there might be people in the water.

While the boat is stationary

⚠ **WARNING:** A spinning propeller, a moving boat, or any solid device attached to the boat can cause serious injury or death to swimmers. Stop the trolling motor immediately whenever anyone in the water is near your boat.

Unplug the trolling motor before allowing people to swim or be near the propeller of the trolling motor.

Whenever the boat is in motion, observe the location of all passengers. A sudden reduction in boat speed, such as a sharp change of boat direction, could throw them off the boat.

The operator must have an unobstructed view particularly to the front. No passengers, load, or fishing seats should block the operator's view when operating the boat.

Reduce speed and proceed with caution whenever navigating in shallow water.

Protecting your trolling motor

⚠ **WARNING:** This product must be installed and operated in accordance with the instructions provided. Failure to do so could result in personal injury, damage to your vessel and/or poor product performance. Specific knowledge of marine electrical systems is required for proper installation.

⚠ **WARNING:** If you intend to use your trolling motor in saltwater or brackish water, you must install a sacrificial anode on the propeller shaft. Use of the product in saltwater or brackish water without an anode will void the warranty.

⚠ **WARNING:** Never submerge the entire unit in water. Only the lower unit and shaft are designed for submerged operation. Accidental or intentional submersion of the mount, transmission, or head can cause permanent damage and is not covered by warranty.

TURN ON AND CONNECT

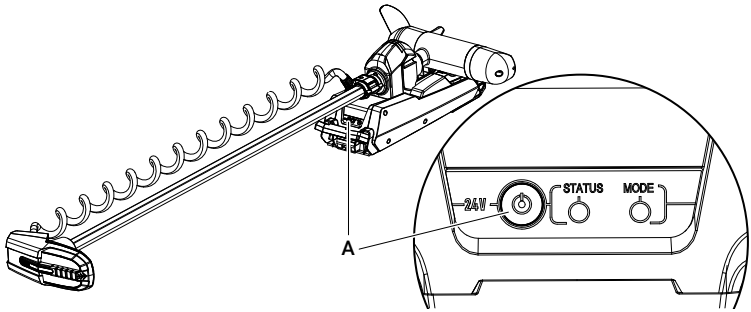
These procedures assume your trolling motor has already been installed and wired according to the instructions in the Scout installation manual.

Turn on trolling motor

The trolling motor turns on automatically as soon as power is supplied to it. The trolling motor sounds three quick tones, and all its LEDs illuminate blue as it powers up.

To turn on the trolling motor if it is off, press and release the power key (**A**) on the rear of the mount.

To turn off the trolling motor, press and release the power key (**A**) again.



➔ *Note: Other system devices, such as remote controls, foot pedals, and display units, need to be powered on individually.*

Ready for operation

When the trolling motor is ready for operation:

- The **STATUS** LED (left) changes from blue to a color showing the status of the trolling motor power supply, and
- The **MODE** LED (right) changes from blue to a color showing the GPS status of the trolling motor (red no GPS signal; green for GPS signal).

  ➔ *Note: It may take several seconds for the trolling motor to acquire a GPS signal.*

For more information about the trolling motor LED indicator lights and tones, refer to page 24.

Bluetooth® connection

> ⚠ **WARNING:** Using unapproved accessories to control your motor may cause damage, unexpected motor operation, and/or injury. Use approved parts and accessories, including controlling devices such as remotes, safely and in the manner directed to avoid accidental or unexpected motor operation.

Wireless controllers such as remotes, foot pedals, and mobile devices connect to the trolling motor via Bluetooth® automatically when powered on, if they have been paired and if the trolling motor is switched on and within range.

Controllers have an expected maximum operating range of 25 m (80 ft) from the trolling motor, under ideal conditions with a clear line of sight.

➔ ***Note:*** *To use your boat's multi-function display with your trolling motor, the display and trolling motor must be connected via the same NMEA 2000® network. Displays do not connect to the trolling motor using Bluetooth®. Refer to the installation manual for your display for information about NMEA 2000® networks.*

Pair devices

Bluetooth® pairing is the process when devices share and save the information that allows them to recognize each other and send and receive data (connect) in the future.

Accessories that come in the box with the trolling motor are already paired to the trolling motor.

Accessories purchased separately from the trolling motor, or accessories that have had a factory reset performed, need to be paired as part of their first connection to the trolling motor.

To pair a device to the trolling motor, both the trolling motor and the device must be:

- Powered on
- Less than 4 m (13 ft) apart
- In Bluetooth® pairing mode.

The trolling motor can have up to five devices (plus a mobile phone) paired to it, and these can all be connected at the same time.

Use the FreeSteer remote or the mobile app to see a list of paired devices, and to unpair paired devices.

➔ ***Note:*** *To unpair **all** devices paired to a trolling motor, refer to **Factory reset trolling motor** on page 32.*

Trolling motor

To put the trolling motor into Bluetooth® pairing mode, press and hold the power key at the rear of the mount.

The LEDs on the mount, and the indicator on the trolling motor head, blink blue when the trolling motor is in pairing mode.

Mobile device

To pair a mobile device running the Lowrance app to the trolling motor, open the app and follow the instructions on-screen.

➔ *Note: Pairing is established within the app, not from the Bluetooth® settings on your mobile device.*

Remote or foot pedal

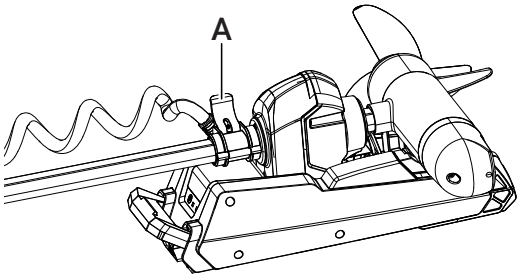
To pair a remote or foot pedal to the trolling motor, refer to the manual that came with the remote or foot pedal.

➔ *Note: Accessories that come in the box with the trolling motor are already paired to the trolling motor and you do not need to pair them again.*

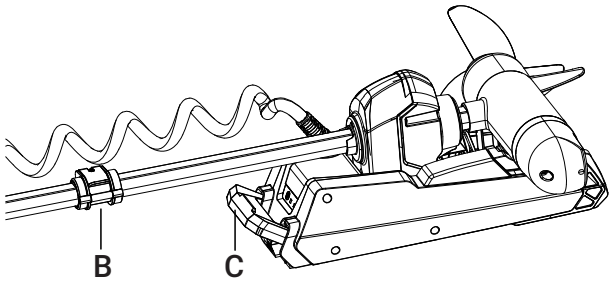
DEPLOY AND STOW

Deploy trolling motor

1 Unlock the cam lock depth collar by folding back the locking lever (**A**).



2 Slide the cam lock depth collar away from the steering transmission, re-locking it part way up the column (**B**).



3 Hold the trolling motor by its column or under its head, and press down on the stow/deploy release lever (**C**, above).

4 While the stow/deploy release lever is depressed, slide the trolling motor forward and out of its cradle. The weight of the lower unit makes the trolling motor and steering transmission pivot downwards.

⚠ **WARNING:** Avoid injury due to the sudden shifting of weight when deploying the motor or adjusting the motor depth. When raising or lowering the motor, firmly grasp the trolling motor by its column before opening the cam lock depth collar. There is also a recess on the underside of the trolling motor head where you can hold the trolling motor to support it.

⚠ **WARNING:** Do not use the coil cable as a handle when raising or lowering the motor.

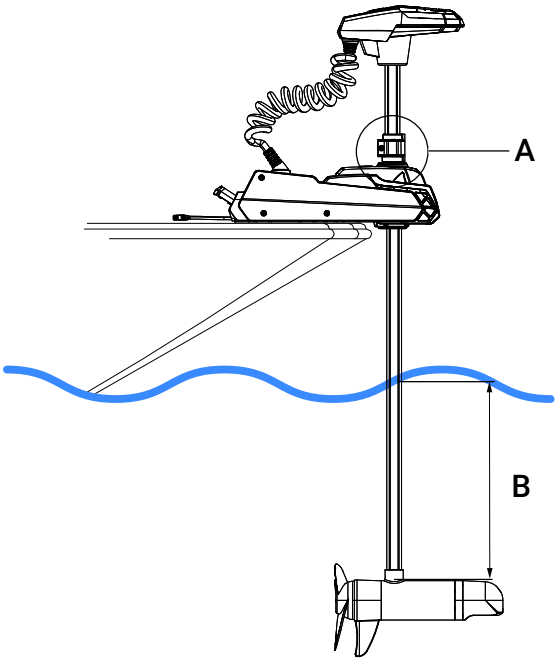
5 Release the stow/deploy lever to its neutral position.

6 When the trolling motor is vertical, the locked cam lock depth collar on the column prevents the motor from descending further. Pull back on the column to ensure it's securely locked into the deployed position.

> ⚠ **WARNING:** The trolling motor will automatically rotate to its keel-aligned position every time the trolling motor is deployed, if the bow offset has been calibrated.

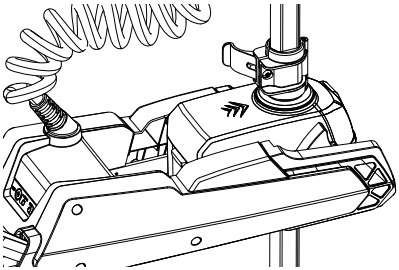
Adjust motor depth

Use the cam lock depth collar (**A**) on the trolling motor column to adjust the motor depth. Optimal depth of the lower unit depends on the boat type, water conditions, and the underwater terrain. If you hear the propeller blades splashing against the water surface, or cavitating, lower the lower unit. When adjusting the motor depth, ensure the lower unit is fully submerged, at least 300 mm (12 in) below the water surface (**B**).



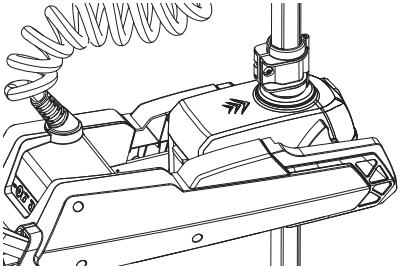
1 Ensure the propeller is not spinning before adjusting the depth of the motor.
2 Firmly grasp the trolling motor either by the column or the recess on the underside of the trolling motor head to support it.

3 Open the cam lock depth collar. Be aware the trolling motor can now move downward under the weight of the lower unit.



4 Raise or lower the trolling motor to the desired depth, keeping the lower unit at least 300 mm (12 in) below the water surface.

5 Guide the cam lock depth collar down to rest against the transmission (grip the collar from its base, not by its locking lever). Close the cam lock depth collar to secure the lower unit at the desired depth.



Stow trolling motor

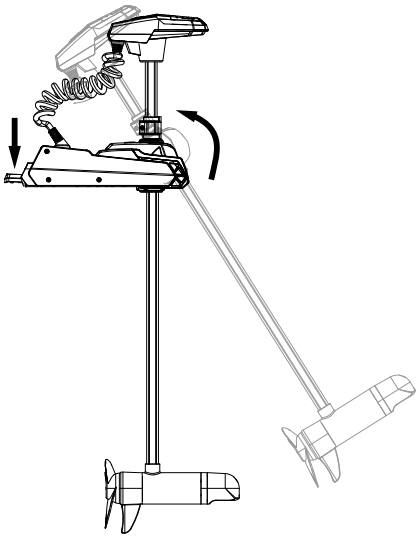
⚠ **WARNING:** Always stop the propeller before stowing the trolling motor. Never start or operate the motor out of water.

⚠ **WARNING:** Moving parts, such as hinges and pivot points, can cause serious injury. Keep away from moving parts when stowing, deploying, or tilting the motor.

Ensure the propeller is not spinning, and ensure there is sufficient clearance around the trolling motor before lifting the motor into stowed position.

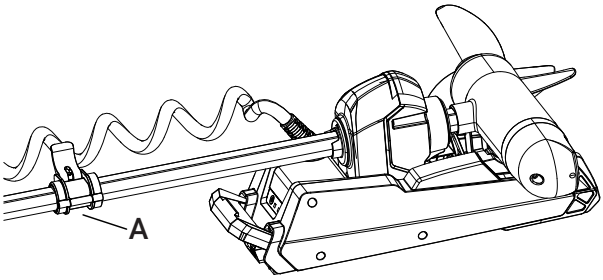
1 Hold the trolling motor using the recesses under its head, and press down on the stow/deploy release lever.

2 Pull the trolling motor up and back towards the deck. As the column slides through the transmission, let go of the stow/deploy lever.



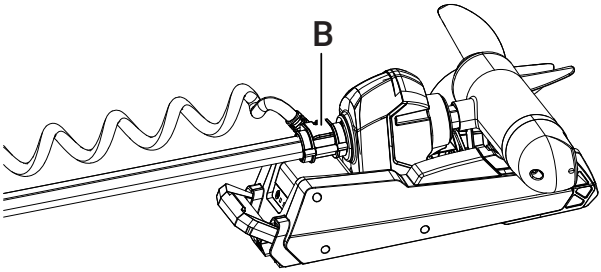
3 When the column is horizontal and all the way through the transmission, rest the lower unit sideways on the mount cradle. The lower unit will latch into place.

4 When the trolling motor is stowed parallel to the boat deck, unlock the cam lock depth collar (**A**).



➔ ***Note:*** *If the cam lock depth collar opens from the underside of the trolling motor column, making it difficult to access, you can refit it. Refer to* ***Change opening side on collar (optional)*** *on page 17.*

5 Guide the unlocked cam lock depth collar down the column, and lock it against the transmission (**B**).

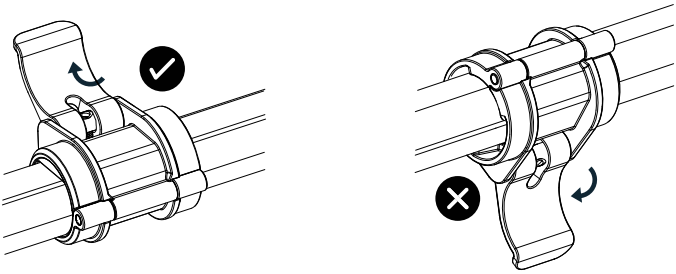


⚠ **WARNING:** We recommend you lock the cam lock depth collar firmly against the transmission any time the boat is underway or trailered.

➔ ***Note:*** *It is normal for the trolling motor to lose its GPS signal while stowed.*

Change opening side on collar (optional)

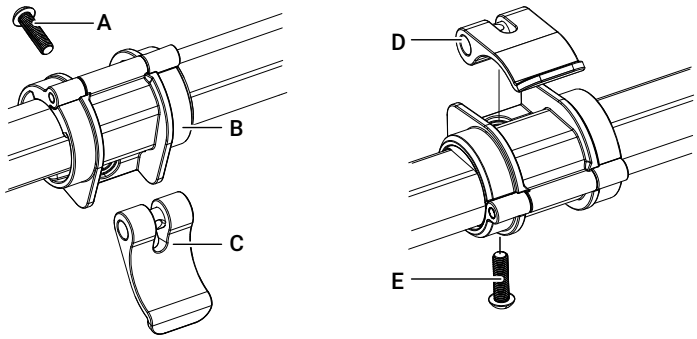
The cam lock depth collar on the trolling motor column should open and close from the top surface of the column when the motor is stowed.



If the cam lock depth collar opens from the underside of the column, follow these steps to adjust it:

➔ *Note: The trolling motor must be stowed for this procedure.*

1. Lay a towel under the trolling motor column to prevent parts from rolling away if they fall.
2. Use a 5/32 (4 mm) Allen key to remove the depth collar bolt (**A**) securing the collar (**B**).
3. Separate the locking lever (**C**) from the collar. Take care not to lose the metal barrel that's free to move inside the locking lever.
4. Flip the locking lever 180° and reposition it (with the metal barrel inside it) on the top surface of the column (**D**).
5. Install the bolt from the underside of the collar (**E**) and torque to 1.7 Nm (1.3 lb-ft).



6. Before further use, test the collar can lock securely on the trolling motor column.

➔ *Note: The cam lock depth collar should not slide when the lever is closed, and it should slide freely when the lever is fully opened. When sliding the cam lock depth collar, hold it by the collar, not by the open locking lever.*

7. To adjust collar tightness, close the locking lever and tighten or loosen the depth collar bolt a quarter turn at a time, testing after each adjustment.

CALIBRATION

Before operating the trolling motor for the first time, it's essential to undertake some calibration procedures. Failure to complete basic calibration may result in your trolling motor and steering not functioning as expected.

> ⚠ **WARNING:** Do not operate the propeller when the trolling motor is out of the water. The lower unit will move during calibration.

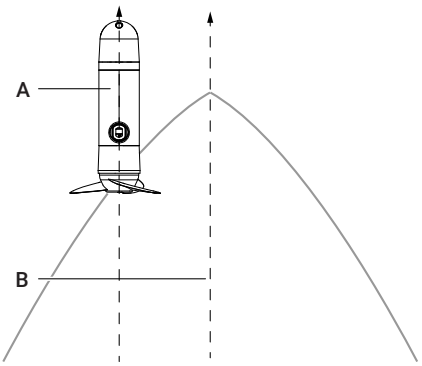
To calibrate the trolling motor it must be powered on and connected to the device you are using for calibration.

The trolling motor needs to be fully deployed before you start.

The calibration can be performed off-water with the boat on the trailer if the lower unit can spin 360° without interruption. Otherwise ensure the boat is secured to a dock, where it won't be moved by wind or current, and that there is space for the lower unit to move freely. Also make sure the trolling motor is not close to large metal objects or current-carrying devices whose magnetic fields could mis-calibrate the compass.

About bow offset calibration

The bow offset calibration establishes the straight-ahead direction for the trolling motor, even if the trolling motor is mounted at an angle to the bow. In the process of calibrating the bow offset you rotate the deployed trolling motor so that the lower unit (**A**) is pointing forward, parallel to the keel/centerline (**B**) of your vessel.



Perform the bow offset calibration when:

- You first use the trolling motor after installation
- The mounting position of the trolling motor has changed (including if you have moved the quick-release mounting plate accessory)
- You have performed a factory reset on the trolling motor.

  ➔ *Note: You are required to move the lower unit during the calibration. After a successful calibration, the trolling motor turns to its centerline position.*

About compass calibration

The trolling motor's compass is inside the trolling motor head.

Perform the compass calibration when:

- You first use the trolling motor after installation
- Your boating location has changed significantly (for example, if you have moved countries) because the magnetic deviation varies at different locations on Earth
- You have performed a factory reset on the trolling motor.

  ➔ *Note: During calibration, the deployed trolling motor (lower unit, column, and head unit) moves automatically to rotate 400° (approximately one and one eighth turns). After a successful calibration, the trolling motor automatically returns to its centerline position.*

Refer to **During calibration** on page 24 for trolling motor LED lights and tones during calibration.

Using a controller for calibration

You can carry out calibrations for a Scout trolling motor using the following connected devices:

- FreeSteer Joystick Remote
- Compact GPS Remote
- Advanced Wireless Foot Pedal

For instructions on how to use one of these controllers to calibrate your trolling motor, refer to the manual that came in the box with the controller.

Using the mobile app for calibration

1. Ensure the trolling motor and your mobile device are powered on and connected to each other.
2. Open the Lowrance app on your mobile device and navigate to **My devices**.
3. Select your trolling motor from the list of devices stored against your profile.
4. When the trolling motor home screen opens, open the **Settings** menu and navigate to **Calibration**.
5. Follow the steps displayed in the app.

SETTINGS

Use one of the following devices to configure your trolling motor's basic settings:

- FreeSteer Joystick Remote

For instructions on how to access your trolling motor's settings with the FreeSteer remote, refer to the manual that came with the remote.

- Mobile device with the Lowrance app

Open the Lowrance or Simrad® app on your mobile device and navigate to **My devices > Trolling motor > Settings > Trolling motor**.

- A compatible display

For instructions on how to access your trolling motor's settings on a display, refer to the manual that came with the display.

➔ *Note: Displays may not be able to configure all trolling motor settings.*

Boat scale

The Boat scale setting changes the intensity of the trolling motor's corrections when it uses GPS to maintain a position or speed setting.

Boat scale is set to 0 (neutral) by default.

- **Negative values** adjust the trolling motor's response to be more gentle, for smaller and lighter boats.
- **Positive values** adjust the trolling motor's response to be more aggressive, for larger and heavier boats.

Assign a value from −5 to +5, according to the size of your vessel and the environmental conditions.

Arrival mode

Arrival mode is a setting that determines how the trolling motor behaves when it completes a navigation sequence such as traveling to a waypoint.

- **Standby.** Standby is the default setting for Arrival mode. When the boat arrives at the navigation endpoint, the propeller will disengage and the trolling motor will enter Standby mode.
- **Anchor.** When the boat arrives at the navigation endpoint, the trolling motor will enter Anchor lock mode. For more information, refer to **Anchor lock mode and Anchor jog** on page 28.
- **Course.** When the boat arrives at the navigation endpoint, the trolling motor will enter Course lock mode (and will continue moving on the current course with the current propeller speed or set speed over ground). For more information, refer to **Autopilot modes (Course lock and Heading lock)** on page 26.
- **Heading.** When the boat arrives at the navigation endpoint, the trolling motor will enter Heading lock mode (and will continue moving with the current propeller speed or set speed over ground, while maintaining the current heading). For more details, refer to **Autopilot modes (Course lock and Heading lock)** on page 26.

Autopilot

The two Autopilot functions are Course lock mode and Heading lock mode.

Course lock mode, with propeller auto on disabled, is the default setting.

Prop auto on

This setting automatically engages the propeller when you enter an Autopilot mode. The setting is disabled by default.

- **Prop auto on** enabled. If the propeller is not engaged when you enter an Autopilot mode, the propeller engages automatically. If the propeller is engaged when you enter an Autopilot mode, it will remain engaged.
- **Prop auto on** disabled. If the propeller is not engaged when you enter an Autopilot mode, the propeller must be engaged manually. If the propeller is engaged when you enter an Autopilot mode, it will remain engaged.

Motor LED

These settings determine when the indicator LED on the trolling motor head illuminates. The default setting is On when prop on.

- **Always on**. Illuminated whenever the trolling motor has power and is deployed. This allows you to check the direction of the lower unit.
- **On when prop on**. The indicator LED lights whenever the propeller is engaged and when the trolling motor is in an active mode.
- **Always off**. The indicator LED never lights.

Brightness controls the brightness of the **STATUS** and **MODE** LEDs on the trolling motor mount, as well as the indicator LED on the trolling motor head.

Audible tones

This setting determines how often audible tones are emitted from the trolling motor head.

Configurable keys on controllers

Some trolling motor remotes and foot pedals have keys you can configure to execute your favorite actions:

For more information, refer to the operation manual that came with your controller.

Using the app

You can also use mobile device with the Lowrance or Simrad® app to program configurable keys on a controller.

Assign functions to Advanced Wireless Foot Pedal

1 In the app, navigate to **My devices > Trolling motor > Settings > Foot pedal**.

2 Open each key you want to configure, and assign the key a function from the drop down list.

→ *Note: A sheet of decals is supplied with the foot pedal. After you have configured the keys on the foot pedal, choose and apply decals to the keys to remind you of the function assigned to each key.*

Assign functions to FreeSteer Joystick Remote

1 In the app, navigate to **My devices > Trolling motor > Settings > FreeSteer Remote**.

2 Select each of **Button 1 > Short press**; **Button 1 > Long press**; **Button 2 > Short press**; **Button 2 > Long press** and assign a function from the drop down list to each one.

OPERATION

The trolling motor must be deployed in order to operate.

The trolling motor can be operated using the following devices connected to the trolling motor via Bluetooth®:

- FreeSteer Joystick Remote
- Compact GPS Remote
- Compact Wireless Foot Pedal
- Advanced Wireless Foot Pedal

The trolling motor can also be operated with a compatible display on the same NMEA 2000® network as the trolling motor.

➔ ***Note:*** *For instructions on how connect a device and use it to operate your trolling motor, refer to the user manual that came with the device.*

⚠ **WARNING:** Ensure the trolling motor is locked in its deployed position before engaging the propeller.

⚠ **WARNING:** Rotating propellers can cause serious injury or death. Do not operate the propeller when the trolling motor is out of the water. Use extreme caution operating the trolling motor when there is a possibility of swimmers being in the water. Stop the trolling motor immediately whenever anyone in the water is near your boat.

⚠ **WARNING:** The trolling motor will continue a requested action even if the controlling device (remote, foot pedal, or display) loses power. Active propeller, Autopilot, and navigation modes are not stopped by turning off the controlling device. **Always** ensure that you know how to stop the trolling motor in an emergency by pressing the trolling motor power key or disconnecting its power supply.

⚠ **WARNING:** Always be alert for unexpected motor movement, such as a turning propeller, even when one or more controlling devices are powered off.

⚠ **WARNING:** The compass inside the trolling motor head can be adversely affected by magnetic fields from magnets or large ferrous metal objects placed near the trolling motor. These can cause the compass to wander, and erratic steering to occur. Magnetic and large metal objects should be moved away from the trolling motor to return its normal steering.

⚠ **WARNING:** Avoid serious injury from colliding with other boats, running aground, or striking objects in the water. The GPS system cannot detect other boats, shallow water, or objects in the water. Always beware of possible obstructions to navigation when operating in any GPS mode.

GPS

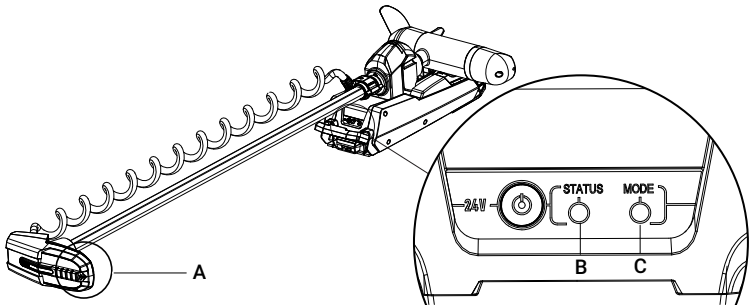
The trolling motor's GPS receiver is inside the trolling motor head. It is normal for the trolling motor to lose its GPS signal when indoors or stowed. To establish a GPS fix, deploy the motor outdoors with a clear view of the sky. The **MODE** LED illuminates green when there is a GPS fix.

➔ *Note: The trolling motor requires its own GPS fix for Course lock mode, Anchor lock mode, Cruise Control mode, and navigation functions.*

Manual mode and Heading lock mode can function without the trolling motor's GPS fix.

Status indicator LEDs and tones

The trolling motor uses a range of tones and indicator lights to signal its current status.



A Indicator LED on trolling motor head
B **STATUS** LED
C **MODE** LED

During operation

Audible tones	Blue head indicator light	STATUS (left) LED on mount	MODE (right) LED on mount	Meaning
Three tones (ascending)	One long then two short flashes	Both solid blue		Trolling motor powering up
Single short tone	Solid blue	None	Solid blue	Propeller, Autopilot, or Anchor lock engaged
None	Blue, slow flash	None	Solid blue	Propeller paused in Anchor lock or and Autopilot mode

Audible tones	Blue head indicator light	STATUS (left) LED on mount	MODE (right) LED on mount	Meaning
Two short tones, same pitch	Blue light goes OFF	None	Change from blue (to green or red, indicating GPS status)	Propeller, Autopilot, or Anchor lock disengaged
Two short tones (ascending)	None	None	Solid green	GPS connected
Two short tones (descending)	None	None	Solid red	No GPS fix
None	Blue, rapid flash	Both blue, flashing between left/ right		Trolling motor in Bluetooth® pairing mode
Two short tones (descending)	None	None	None	Requested action declined
Single long tone	None	Both red, flashing between left/ right		Fault
None	Blue, slow flash	Both white, flashing between left/ right		Software update is in progress
None	None	Green (if 12 V supply) Cyan (blue-green) if 24 V supply	None	Trolling motor power supply is good (greater than 40%)
None	None	Orange	None	Monitor trolling motor power (supply between 20% and 40%)
None	None	Red	None	Trolling motor power supply less than 20%
None	None	Flashing red	None	Trolling motor power supply is critically low

➔ ***Note:*** *It is normal for the trolling motor not to have a GPS fix when stowed.*

During calibration

Audible tones	Blue head indicator light	STATUS (left) LED on mount	MODE (right) LED on mount	Meaning
None	None	Both blue, flashing		Trolling motor in user configuration mode: proceed with calibration
Two short tones (ascending)	None	Both green, flashing between left/ right for a few seconds		Calibration successful
Two short tones (descending)	None	Both red, flashing between left/ right for a few seconds		Calibration failed
None	None	Color indicating battery status	Green or red, indicating GPS status	Trolling motor exited user configuration mode and returned to Manual mode

Manual mode

In Manual mode, you control the trolling motor as required to change the direction and speed of the boat. Use a remote, foot pedal, or display to select your speed, then press an appropriate key to engage the propeller. Acceleration is moderated by the system to prevent sudden changes in speed.

➔ *Note: If the trolling motor speed is set at zero, the propeller engages but does not turn.*

The direction indicator light on the trolling motor head unit shows the direction the lower unit is pointing.

Autopilot modes (Course lock and Heading lock)

Course lock and **Heading lock** are Autopilot modes that steer the vessel automatically.

The Autopilot mode you have assigned as default starts when you select the Autopilot key.

If the Prop auto on function is not enabled, you must engage the propeller manually when entering an Autopilot mode.

When you start an Autopilot mode, the trolling motor uses the present direction of the trolling motor lower unit, and uses the present speed.

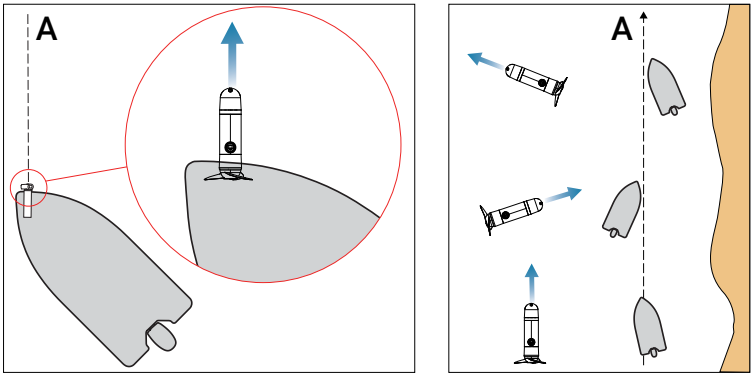
⚠ **WARNING:** Avoid serious injury from colliding with other boats, running aground, or striking objects in the water. The Autopilot system cannot detect other boats, shallow water, or objects in the water. Always beware of possible obstructions to navigation when navigating or operating in Autopilot modes.

While in an Autopilot mode you can:

- Adjust direction and continue with the mode
- Increase or decrease speed and continue with the mode
- Switch between Cruise Control mode (fixed speed over ground) or propeller thrust percentage
- Pause the propeller while 'remembering' the steering instructions.

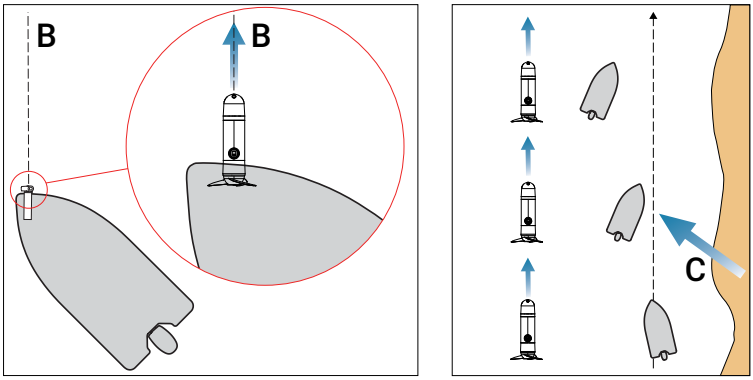
Course lock mode steers the vessel along a straight-line course that you align to compensate for drift caused by current and/or wind. When you start Course lock mode, the trolling motor will draw an invisible track (**A**) based on the direction of the lower unit at the time.

➔ *Note: In Course lock mode, wind and/or current may cause the vessel to follow the course at a crab angle.*



Heading lock mode maintains the heading of the vessel, based on the direction of the lower unit. When you start Heading lock mode, the trolling motor will keep the lower unit pointed in the direction it was in when the mode started.

➔ *Note: In Heading lock mode, the trolling motor doesn't compensate for drift caused by current and/or wind (**C**).*



Pause propeller in Autopilot mode

When the trolling motor is in an Autopilot mode, you can pause the propeller and still 'remember' the course (or heading) you were using. This is useful if you have hooked a fish, or identified a hazard where it is prudent to disengage the propeller.

➔ *Note: When the propeller is paused in an Autopilot (or Anchor lock) mode, the indicator LED on the trolling motor head slowly pulses.*

Stop/end Autopilot mode

When you stop an Autopilot mode, the propeller slows and stops, and the trolling motor returns to Manual mode.

Cruise Control

Cruise Control mode maintains the vessel's speed over ground at a constant value.

You can enable Cruise Control when you are engaged in an Autopilot mode, or navigating.

When you start Cruise Control mode, the value for the set speed matches the vessel's speed over ground (SOG). You can then increase or decrease value for the set speed using speed keys on your controller.

Stop Cruise Control

When you stop Cruise Control mode, the trolling motor reverts to constant propeller thrust percentage (at the most recent value) and the speed keys on the controller increase or decrease the propeller thrust percentage. The vessel's speed over ground may now be affected by wind and current.

Anchor lock mode and Anchor jog

Anchor lock mode uses the trolling motor propeller with its GPS to hold the boat at the current position.

➔ *Note: When in Anchor lock mode, the vessel's orientation (heading) could be affected by wind and/or current, but the vessel's location is constant.*

Anchor jog allows you to move the boat in increments of about 1.5 m (5 ft) to refine your anchor position. Anchor lock resumes at the new position.

➔ *Note: The trolling motor must be in Anchor lock mode for Anchor jog to work.*

Pause propeller in Anchor lock mode

When the trolling motor is in Anchor lock mode, the propeller operates automatically as required to hold the boat's position. You can pause the propeller if you have hooked a fish or identified a hazard.

➔ *Note: When the propeller is paused in Anchor lock (or Autopilot) modes, the indicator LED on the trolling motor head slowly pulses.*

NAVIGATION

The trolling motor can drive to waypoints or route starting points within 400 m (0.25 miles) of your vessel's current position.

> ⚠ **WARNING:** Avoid serious injury from colliding with other boats, running aground, or striking objects in the water. The Autopilot system cannot detect other boats, shallow water, or objects in the water. Always be aware of possible obstructions to navigation when navigating or operating in Autopilot modes.

Selecting a GPS source for a display

The boat's position on the screen of a multi-function display may be offset from the waypoints or routes you are using. To improve this, enter the display's data sources menu, and select the trolling motor as the GPS source for the display.

➔ ***Note:*** *Using the trolling motor as the GPS source may cause Speed Over Ground and Heading information on the display to be unavailable when the trolling motor is stowed, powered off, or unable to acquire a GPS signal.*

Stop navigation

When the trolling motor is navigating towards a waypoint or route starting point, or along a route, **Stop navigation** cancels the navigation.

Waypoints

You can mark points of interest (waypoints) with the following wireless controllers:

- FreeSteer remote
- Compact GPS Remote
- Advanced Wireless Foot Pedal.

For instructions on how to use a controller to mark waypoints, refer to the manual that came with the controller.

Save waypoints to a display

When a waypoint is marked using a remote or foot pedal, it can be shared to a display on the NMEA 2000® network. This allows you to use your display to inspect, manage, and navigate to waypoints. Refer to **Configure a display to receive waypoints** on page 30 to make sure your display is set up correctly.

➔ ***Note:*** *Waypoints marked using the Compact GPS remote are **only** saved to a display. The Compact GPS remote cannot save waypoints to the trolling motor.*

Save waypoints to the trolling motor (some controllers)

Waypoints marked with the FreeSteer remote or Advanced Wireless Foot Pedal are saved to the trolling motor (as well as your display, if your display is configured to receive waypoints). The trolling motor can store up to twenty waypoints.

You can use the FreeSteer remote to inspect, manage, and navigate to waypoints saved on the trolling motor.

➔ *Note: The FreeSteer remote accesses the trolling motor's memory. You cannot use the remote to access waypoints stored on a display.*

Trails (routes)

Use your display to record, manage, and follow routes stored in the display's memory.

You can also use the FreeSteer remote to record a trail as you move, then use the remote to inspect, manage, and follow routes stored on the trolling motor. Refer to the manual that came with the remote.

➔ *Note: The FreeSteer remote accesses the trolling motor memory. You cannot use the remote to access routes stored on a display.*

Configure a display to receive waypoints

To save trolling motor waypoints on your display:

- Enable **Receive waypoint** in the NMEA 2000® settings, and
- Enable **Allow duplicate waypoint names** in the advanced system settings.
  - ➔ *Note: Waypoints will be created on the display even if the waypoint storage on the trolling motor is full.*

More navigation options

Some multi-function displays can access advanced navigation options such as instructing the trolling motor to follow automatic turn patterns or a constant-depth route on a chart.

For more information refer to the manual that came with the display.

➔ *Note: Visit **www.lowrance.com** or **www.simrad-yachting.com** to check whether your display is compatible.*

SOFTWARE

To ensure you receive notifications when relevant software updates are available for download, use the Lowrance mobile app to register your trolling motor. Updates for the trolling motor, remotes, and foot pedals are packaged together.

After an update is transferred to the trolling motor, it installs automatically. While the update is in progress the **MODE** and **STATUS** LEDs on the trolling motor mount flash white, left-right, and the direction indicator on the trolling motor head flashes blue.

➔ *Note: Do not disconnect power from the trolling motor while a software update is in progress.*

Software updates pass from the trolling motor to appropriate connected devices automatically when the trolling motor is on and in the stowed position.

View software version and serial numbers

You can use the Lowrance app on your mobile device to check the serial number of the trolling motor and the installed software version for the trolling motor.

1 Select your trolling motor from the list of devices stored against your profile.

2 When the trolling motor home screen opens, select **Device info** to see the serial numbers and current software version installed on the trolling motor, and the devices connected to the trolling motor.

You can also use the FreeSteer Joystick Remote to look up the serial number of the trolling motor and the installed software version for the trolling motor. For instructions, refer to the operation manual for your remote.

Update software via your display

The display uses the NMEA 2000® network to install the updates onto the trolling motor.

For information about installing updates from a microSD® card onto your display, refer to the documentation that came with your display.

Update software via mobile device

1 Connect your mobile device to the internet and select the software notification to download the trolling motor update to your mobile device.

   ➔ *Note: The download to your mobile proceeds automatically if you have allowed this in your mobile device settings. Otherwise, you will see a notification inviting you to download the update to your mobile device.*

2 Connect your mobile device to the trolling motor via Bluetooth®, and follow the instructions in the app to transfer the software update package to the trolling motor.

   ➔ *Note: If you have previously paired your mobile device to the trolling motor, and your mobile device settings allow it, the connection is automatic when the trolling motor is on and within Bluetooth® range.*

Factory reset trolling motor

When you perform a factory reset on the trolling motor, all settings revert to their factory defaults.

- Calibrations, including bow offset calibration and compass calibration, are cleared.
- Waypoints and recorded trails (called routes) saved on the trolling motor memory are cleared.
- All devices paired to the trolling motor via Bluetooth® are unpaired, including any factory-paired accessories that came with the trolling motor. They require Bluetooth® pairing before they can reconnect.

FreeSteer remote

1 Press and release the menu key ☰ to open the menu.

2 Use the joystick to navigate to **Settings > Trolling motor > Factory reset**.

Compact GPS Remote

1 On the Compact GPS Remote, press and hold ✕, ▲, ⚓ at the same time to factory reset the trolling motor.

MAINTENANCE

To keep your trolling motor in the best operating condition and retain its dependability, your trolling motor must receive periodic inspections and maintenance. Keep it maintained properly to ensure the safety of you and your passengers. Record all maintenance performed and save maintenance work orders and receipts.

⚠ **WARNING:** Neglecting to inspect, maintain, or repair your trolling motor can result in product damage or serious injury or death. Do not perform maintenance or service on your trolling motor if you are not familiar with the correct service and safety procedures.

⚠ **WARNING:** Performing service or maintenance without first disconnecting the battery can cause product damage, personal injury, or death due to fire, explosion, electrical shock, or unexpected motor starting. Always disconnect the battery cables from the battery before maintaining, servicing, installing, or removing motor components.

⚠ **WARNING:** Using unapproved accessories to repair (or control) your motor may cause damage, unexpected motor operation, and/or injury. Use approved parts and accessories safely and in the manner directed to avoid accidental or unexpected motor operation. Keep all factory installed parts in place, including accessory covers, enclosures, and guards.

Before each use

- Inspect for loose or corroded wiring connections.
- Check the tightness of the battery cable connections. Stainless steel nuts are recommended for securing the battery cables to their terminals.
- Check the propeller blades for damage.
- Check the tightness of the propeller nut.
- If you have a propeller shaft anode installed, check it is tight.
- Check the tightness of the mount to the deck of the boat.

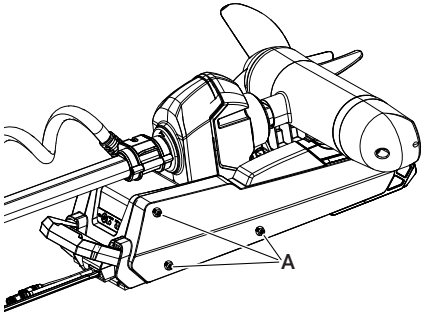
After each use

- Disconnect the battery cables from the power source, or unplug the motor from the boat or open the installed breaker.
- Recharge the trolling motor batteries as soon as possible. The ideal state for a battery is fully charged.
- Check each side of the propeller and shaft and remove debris such as weeds. If you find fishing line on the propeller, remove the propeller in order to remove all fishing line wrapped around the shaft.
- Check the propeller blades for damage.
- Check the tightness of the propeller nut.
- If you have a propeller shaft anode installed, check it is tight.
- Rinse the trolling motor with fresh clean water after use in a brackish environment or saltwater environment. Take care using a jet or high-pressure wash to clean the trolling motor, because it can dislodge pins and plugs. To clean pins and plugs, use a dry brush.
- If required, wash the trolling motor with warm soapy water and gently wipe with a soft cloth. Never use abrasive products or products containing solvents (acetone, mineral turpentine), acid, ammonia or alcohol to clean the trolling motor as they can damage the plastic housing.
- Check battery level for batteries inside the remote. Replace if needed. Turn the remote off or remove batteries after use.
- Check battery level for batteries inside the foot pedal, if applicable. Replace if needed. Ensure the foot pedal is turned off (or remove its batteries) after use.

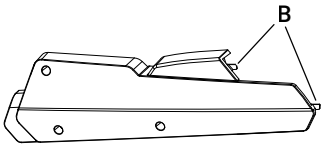
Every 100 hours of use or annually (whichever occurs first)

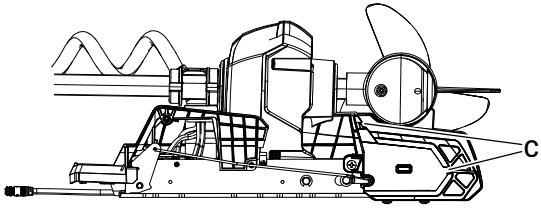
Use a marine grease such as Quicksilver 2-4-C with PTFE to lubricate the mechanisms on the trolling motor mount.

2 Use a #2 Phillips driver to loosen the side plate screws from the starboard (right) side of the mount (**A**). The screws are retained by washers.

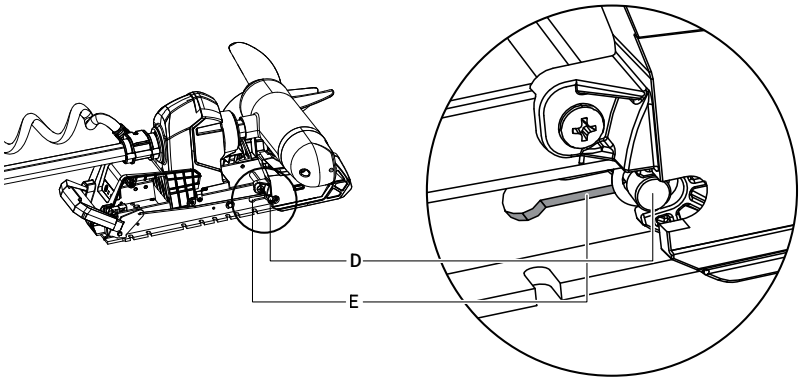


3 Remove the starboard side plate, taking care not to damage the locating tabs (**B**) as they leave their slots (**C**).





4 Identify the pin (**D**) that moves to release (or lock) the mount cradle when you depress the stow/deploy lever. Apply a thin coating of grease inside the slot along the pin's range of motion (**E**).



5 Press and release the stow/deploy release lever several times to distribute the grease.

6 Replace the side plate on the mount.

Battery inspection

The power supply batteries should be inspected at periodic intervals to ensure proper trolling motor operation.

➔ *Note: Read the safety and maintenance instructions that accompany your battery.*

1 Ensure the battery is secured to the vessel.

2 Ensure battery cable terminals are clean, tight, and correctly installed.

3 Ensure the battery is equipped with a battery box to prevent accidental shorting of the battery terminals.

Storage preparation

The major consideration in preparing your trolling motor for storage is to protect it from corrosion and damage caused by freezing of trapped water. It is also recommended that batteries are disconnected prior to storage and that the batteries are stored indoors in a dry location during long-term storage. The batteries should also be removed from the remote and wireless foot pedal for long-term storage. Store the trolling motor in a dry location where it will not be affected by temperatures below –29 °C (–20 °F).

TROUBLESHOOTING

Symptom	Possible cause	Resolution
Trolling motor does not respond to wireless commands	Weak trolling motor batteries	Check the battery charge indicator on the trolling motor. Recharge or replace batteries as required.
	Weak battery in wireless controller	Replace the batteries in the remote or foot pedal. (Refer to the operation manual for the remote or foot pedal for information.)
	Wireless controllers not paired	Refer to **Pair devices** on page 10.
Trolling motor does not respond to commands from Compact GPS Remote	The remote has entered deep sleep mode, so its keys are inactive	Press and hold the ✕ key on the Compact GPS Remote to wake the remote. After the remote has reconnected and the top LED is flashing blue, enter your request.
Trolling motor does not respond to commands from FreeSteer Joystick Remote	The remote is off, so its keys are inactive	Press and hold the menu key ☰ on the FreeSteer remote to wake the remote.

Symptom	Possible cause	Resolution
Loss of power	Weak trolling motor batteries	Check the battery charge indicator on the trolling motor. Recharge or replace the batteries as required.
	Loose or corroded battery connections	Inspect battery connections for cleanliness and tightness.
	Propeller is loose, damaged, or off-balance	Replace the propeller. Refer to the **Scout propeller installation guide**.
	Wiring or electrical connection faulty	Wire gauge from the battery to the trolling motor is insufficient. 8-gauge wire is recommended.
	Magnets cracked or chipped	If whining or grinding from the motor is heard, contact an authorized trolling motor service center.
	Water intrusion in the lower unit	Contact an authorized trolling motor service center.
Excessive lower unit noise or vibration	Propeller is loose, damaged, or off-balance	Replace the propeller. Refer to the **Scout propeller installation guide**.
	Damaged bearings or bushings	Contact an authorized trolling motor service center.
	Bent propeller shaft	Contact an authorized trolling motor service center.
Excessive transmission or steering noise or vibration	Transmission is restricted from moving freely	Ensure there is no debris or cables (such as a cable from live sonar) restricting the movement of the transmission. If the issue continues after inspecting cables, contact an authorized trolling motor service center.
Motor failure (motor runs at partial speed)	Connections in the head may be loose or damaged.	Contact an authorized trolling motor service center.
	Motor has reached thermal limit (temperature exceeds specification.)	Contact an authorized trolling motor service center.
	Propeller is loose, damaged, or off-balance	Replace the propeller. Refer to the **Scout propeller installation guide**.

Symptom	Possible cause	Resolution
Trolling motor flashes the propeller LED and battery LED while emitting a siren noise	Internal electronics fault	Disconnect battery power. Contact an authorized trolling motor service center.
Motor failure (motor does not run)	Weak trolling motor batteries	Check the battery charge indicator on the trolling motor. Recharge or replace the battery as required.
	Weak battery in wireless controller	Replace the batteries in the remote or foot pedal. (Refer to the operation manual for the remote or foot pedal for information.)
	Loose or corroded battery connections	Inspect battery connections for cleanliness and tightness.
	Wiring or electrical connection faulty	Wire gauge from the battery to the trolling motor is insufficient. 8-gauge wire is recommended.
	Loose electrical connections	Inspect connections for cleanliness and tightness.
	Thermal protection is overloaded	Disconnect the trolling motor batteries and check for weeds or debris around the propeller.
		Temperature exceeds specification. Contact an authorized trolling motor service center.
	Fuse or circuit breaker is open	For safety, determine the cause of the problem before replacing the fuse or resetting the circuit breaker.
	Boat wiring faulty	Contact an authorized trolling motor service center.
Inaccurate temperature reading (models with internal sonar)	Lower unit not fully submerged	Adjust the depth of the motor. Ensure the lower unit is fully submerged. Refer to **Adjust motor depth** on page 13.
	Damaged sonar cable	Contact an authorized trolling motor service center.

Symptom	Possible cause	Resolution
Difficulty removing propeller	Broken propeller pin Bent propeller shaft	Hold the propeller by one of its blades. Use a rubber mallet to lightly tap the wide surfaces of the other blade near the lower unit, gradually working the propeller off the shaft. Use a putty knife on both sides of the propeller to apply equal pressure. Inspect the lower unit and remove any fishing line or debris wrapped around the propeller shaft. With propeller **removed**, deploy the trolling motor to a height where it operates, and operate the trolling motor at low thrust. Watch the propeller shaft spinning to see if a bend in the propeller shaft is evident. Contact an authorized trolling motor service center.
Trolling motor oversteers or understeers when carrying out steering requests	Trolling motor calibration lost Boat scale incorrect	If the trolling motor direction does not match the direction requested, complete a bow offset calibration. Refer to **Calibration** on page 18. Adjust the **Boat scale** setting in trolling motor settings. Refer to **Boat scale** on page 20. If the issue persists, contact an authorized trolling motor service center.
Joystick on FreeSteer remote stops working, or the remote scrolls through menus on its own, or trolling motor steers itself without input	FreeSteer Joystick Remote error	Confirm the trolling motor and remote are using the most up-to-date version of the software. Refer to **Software** on page 31. Contact Lowrance technical support team for additional troubleshooting and/or a replacement remote.

ERROR CODES

Error codes can be used to help diagnose issues with the trolling motor.

For instructions on how to view error codes on the FreeSteer Joystick Remote or a connected display, refer to the manual that came with the remote or display.

To use the Lowrance mobile app to view error codes:

1 Select your trolling motor from the list of devices stored against your profile.

A notification appears on the trolling motor home screen if error codes have been reported.

2 Open the notification to see individual codes.

➔ *Note: You can also use the app to access details about the source of an error code, and suggestions for how to troubleshoot it.*

Code	Short description	Cause	Troubleshooting
C001	Service factory calibration	Essential factory calibration missing	Contact an authorized trolling motor service center.
C002	Perform bow offset calibration	User bow offset calibration has not been run yet	Calibrate the bow offset.
C003	Perform compass calibration	User compass calibration has not been run yet	Calibrate the compass.
D001	Check UI/display board	Stuck button detected (minutes)	Check boat wiring, connections, and batteries for low voltage or loose connections.
M003	Over temperature	Unit cannot self regulate, so functionality disabled	Disconnect the trolling motor batteries and check for weeds or debris around the propeller. Wait until cool. If the issue returns after sitting idle to cool, contact an authorized trolling motor service center.
M005	Lower unit over current	Unit cannot self regulate, so functionality disabled	Same steps as M003.
P002	Stuck key on a peripheral	On a connected device, a key is prevented from releasing, or a key is broken	Power off each connected device one at a time. When the fault disappears, that is the device with the stuck key.

Code	Short description	Cause	Troubleshooting
P003	<Device name> internal error	Peripheral must self report to trolling motor Over current to the lower unit detected by the mount controller/UI board.	Issue could be anywhere from the boat wiring, the mount controller/UI board connectors, the mount controller/UI board itself, the wiring between the mount controller/UI board and the lower unit, or with the lower unit itself.
T001	Service transmission	Encoder not changing while steering Possible disconnected steering motor power	Ensure the stow deploy pedal is not stuck down in the unlatch position. Power cycle the trolling motor, then test for operation. If the issue persists, contact an authorized trolling motor service center.
T002	Service transmission	Encoder may be disconnected (open) or shorted	Power cycle the trolling motor, then test for operation.
X002	Service software	Software version mismatch	Update the software for the trolling motor and its devices. Note: Ensure the trolling motor is in the stowed position before starting a software update.



©2026 Navico Group. All Rights Reserved.
Navico Group is a division of Brunswick Corporation.
®Reg. U.S. Pat. & Tm. Off, and ™common law marks.
Visit www.navico.com/intellectual-property to review the global trademark rights and accreditations for Navico Group and other entities.

www.lowrance.com