



User manual

For bow mounted GPS trolling motors:

- Saxa Predator Pro 58 lbs 54" / 940800-020
- Saxa Predator Salt 62 lbs 60" / 940800-090
- Saxa Predator Shadow 62 lbs 60" / 940900-090

Thank you for purchasing a Saxa bow mounted GPS trolling motor, and welcome to the team! Saxa motors are designed to meet the needs of even the most passionate sport anglers while maintaining maximum energy efficiency. We wish you enjoyable fishing moments and, above all, tight lines with your new Saxa motor.

This user manual contains important information on proper installation, operation, and maintenance. Please read the instructions carefully before use. If you have any questions about operating or maintaining the motor, feel free to contact our customer service at info@ruoto.fi or +358 20 779 0971.

To avoid hazardous situations and ensure the best user experience, special warning/caution symbols are presented in this user manual:

⚠ WARNING

Failure to follow the instructions may result in serious injury or death. Failure to follow the instructions may cause damage to the product.

📌 ATTENTION

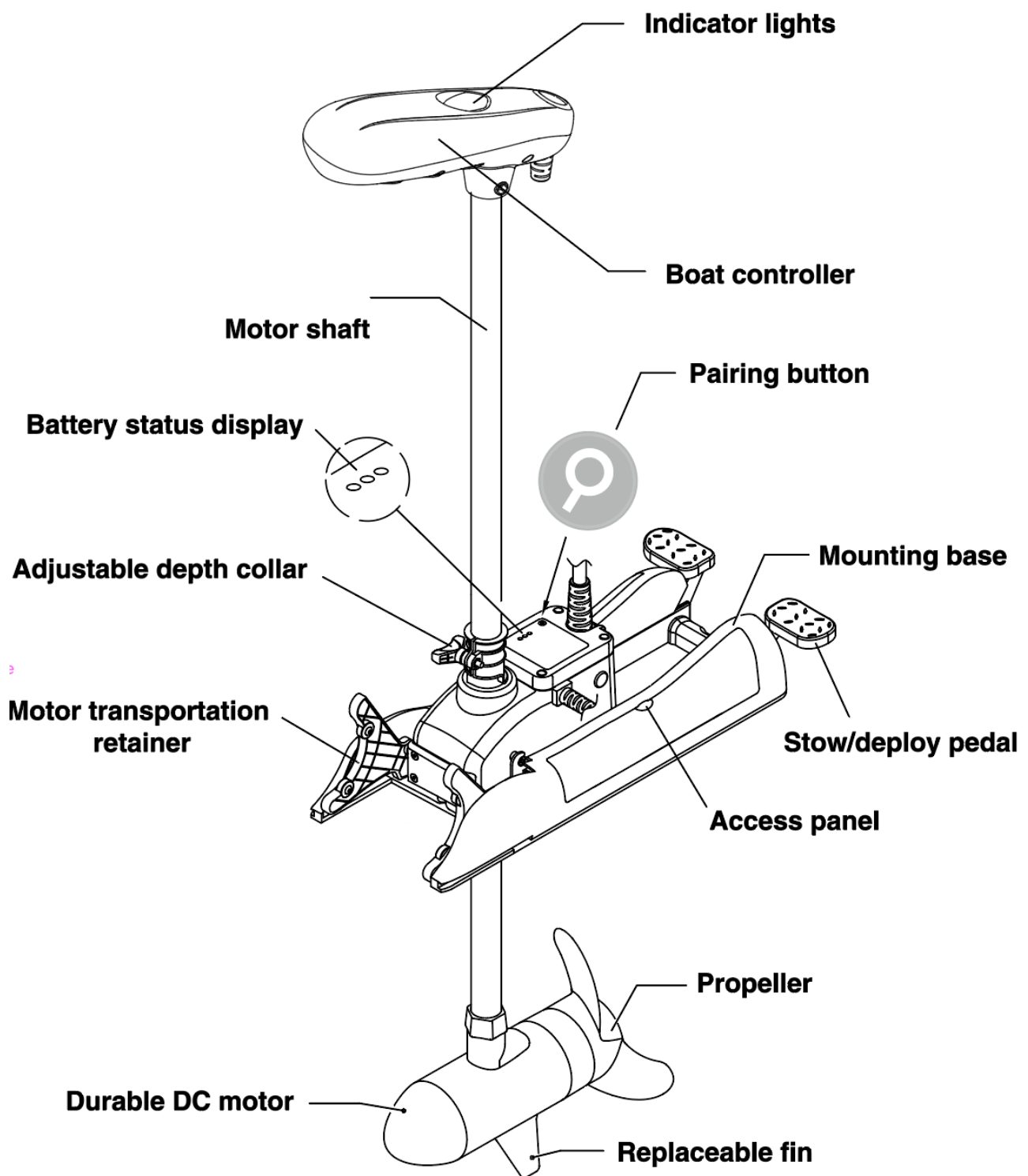
Special considerations that should be taken into account to ensure the best user experience and to prevent damage to the product.

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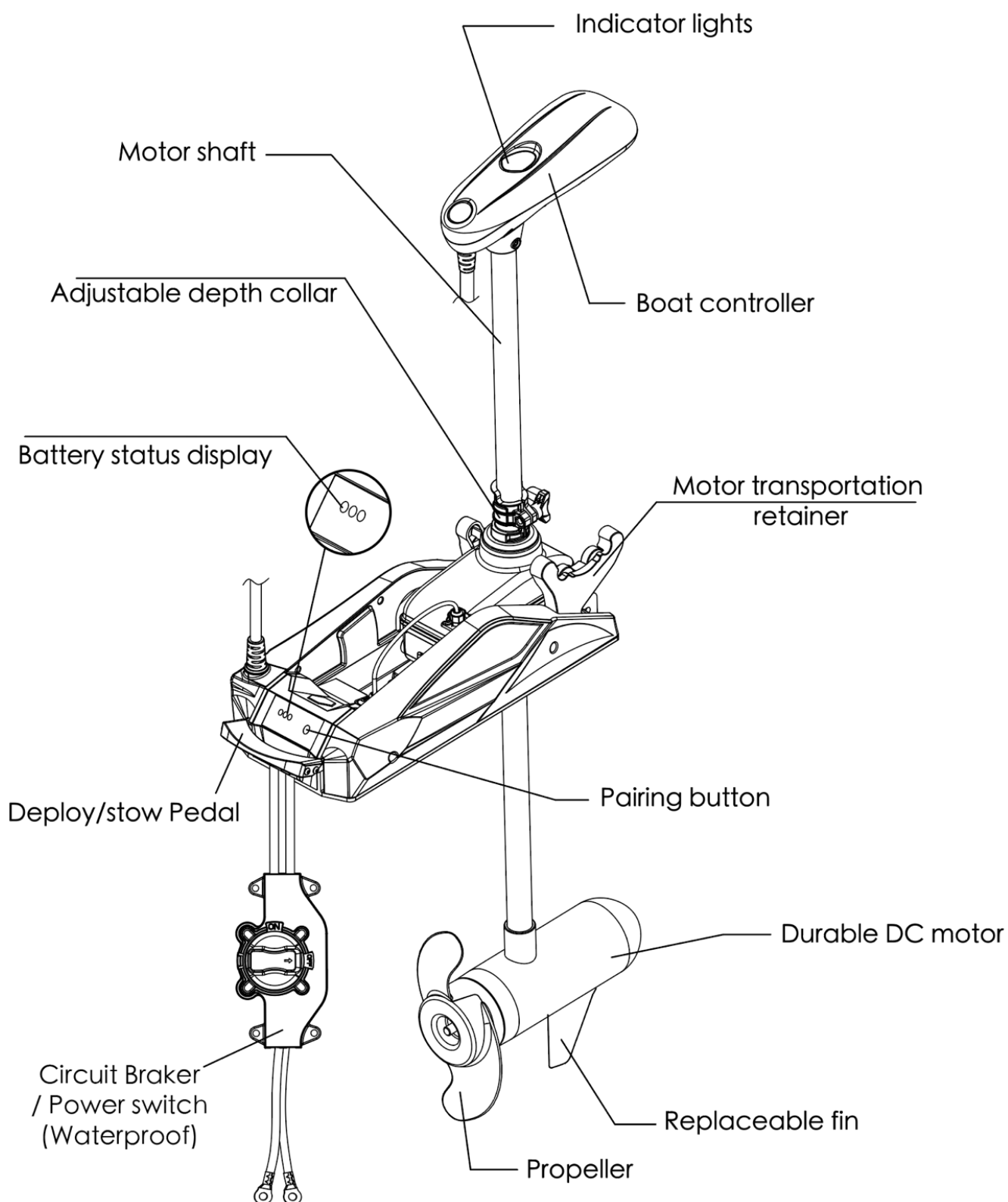
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Motor components – Saxa Predator Pro & Salt



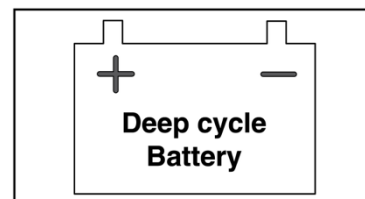
Motor components – Saxa Predator Shadow



Before use

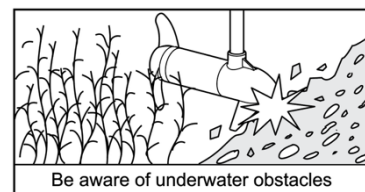
Deep cycle battery

Only use deep cycle batteries as the power source for the motor. Incorrect or improper use or connection of the battery may damage the motor or the battery. Disconnect the battery when the boat is stored or not in use for an extended period. For example, most AGM lead-acid batteries or LiFePO4 lithium batteries are suitable for use with the motor.



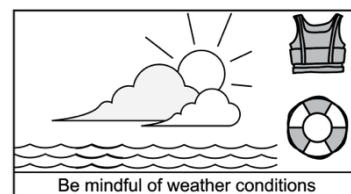
Watch out for underwater obstacles

When operating the electric bow motor in shallow water or near obstacles, reduce your speed. Raise or pull up the motor in shallow areas. Be aware of swimmers in the vicinity of your boat.



Pay attention to weather conditions

Always wear an approved life jacket and follow local boating regulations.

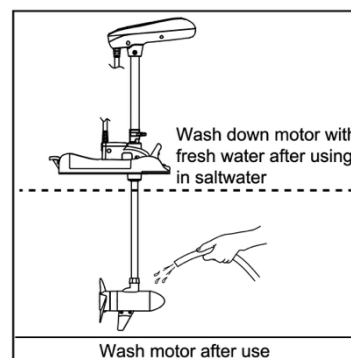


Clean the motor after use

Remove debris from around the propeller and propeller shaft. Rinse with fresh water after use in saltwater.

ATTENTION

When used in brackish water (low salinity) in the Baltic Sea, the motor does not need to be rinsed after every use.



WARNING

IP68 waterproof rating for the motor

IP63 waterproof rating for parts other than the motor

Installation

1. Propeller installation

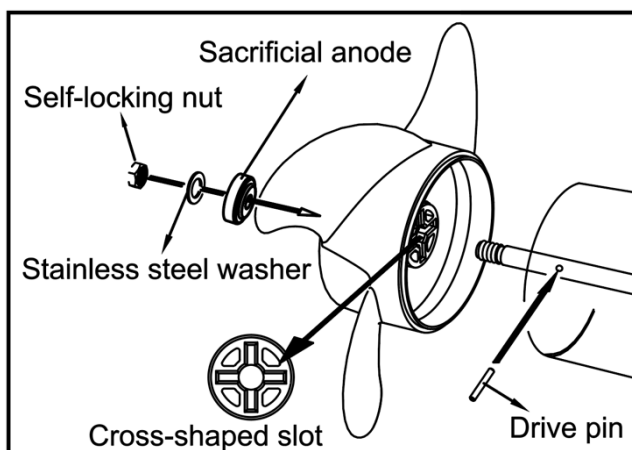
- A. Install the drive pin and align the cross-shaped slots on the propeller with the corresponding parts on the motor. Also install the anode, washer, and locknut onto the drive shaft.

⚠ ATTENTION

The two cross grooves allow the propeller to be reinstalled if one groove becomes worn or damaged. A spare drive pin is also included with the product.

Pictured:

- Sacrificial anode
- Self-locking nut
- Stainless steel washer
- Cross-shaped slot
- Drive pin



- A. Hold the propeller to prevent it from rotating and use the propeller wrench to tighten the nut until it is firmly in place. Do not overtighten.

⚠ ATTENTION

Use only the propeller wrench provided. Other tools may overtighten and damage the components.

💡 HINT

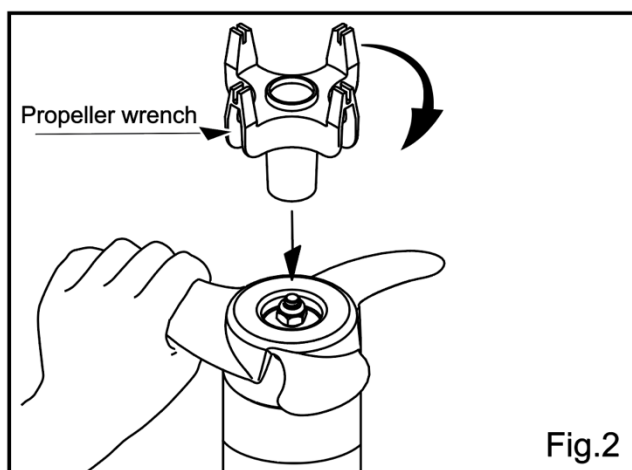
Keep this wrench in your boat in case fishing line or other debris becomes wrapped around the propeller shaft.

⚠ WARNING

Tighten the nut no more than 1/4 turn after it is “snug.” Overtightening may damage the propeller.

Pictured:

- Propeller wrench
- Illustration of tightening the propeller



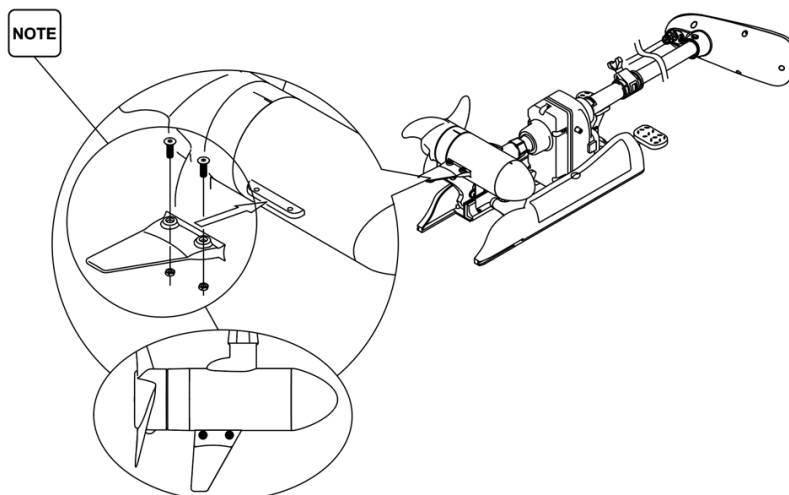
2. Fin installation

⚠ WARNING

Varmista, että moottori on irrotettu akusta ennen osien asentamista.

🔧 ATTENTION

Nuts, bolts, and the fin are provided inside the package in a separate plastic bag. Align the fin with the bottom of the motor. Make sure the direction is correct before tightening the nuts and bolts.



3. Motor installation

⚠ WARNING

Make sure the battery is disconnected when installing the motor or attaching the quick-release plate. Also, disconnect the battery if you won't be using the motor for an extended period or when storing the boat, such as during winter storage.

Installation method

The motor can be bolted directly to the boat OR, if using a quick-release plate, attach the plate to the boat. It is recommended to install the motor so that it is aligned longitudinally with the boat or at a slight angle (see image). This also depends on whether your boat has a side-mount bracket for the electric motor.

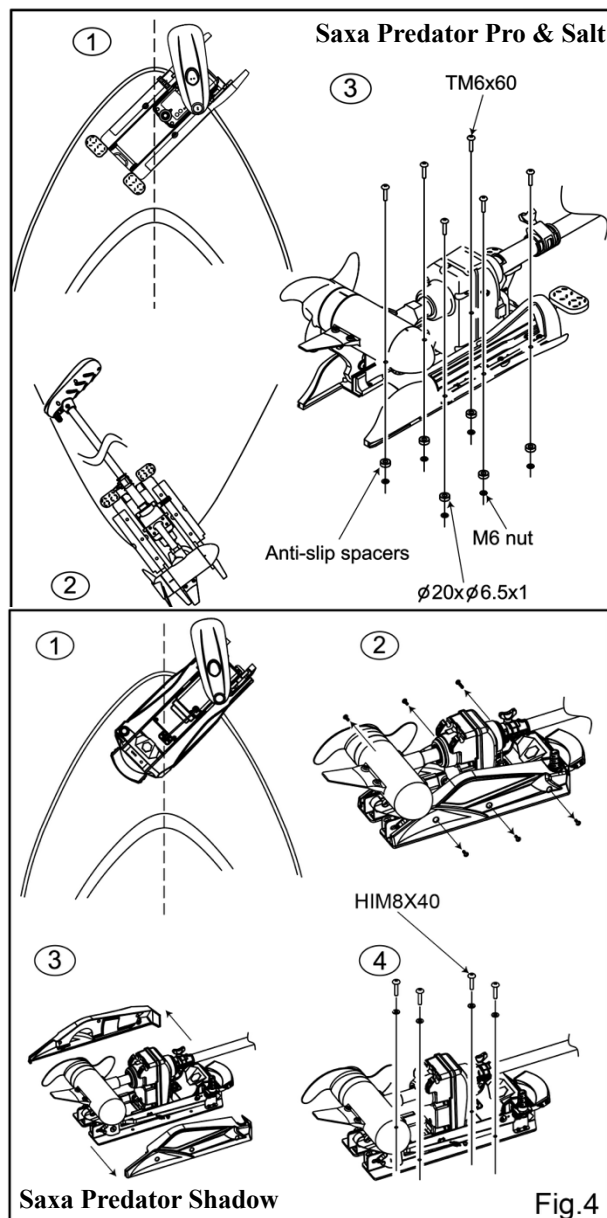
🔧 ATTENTION

The motor should be installed as horizontally as possible to operate at its best. The closer the motor is positioned to the boat's keel line in the driving position, the more efficiently it moves the boat and holds it in position with the sky anchor.

Pictured:

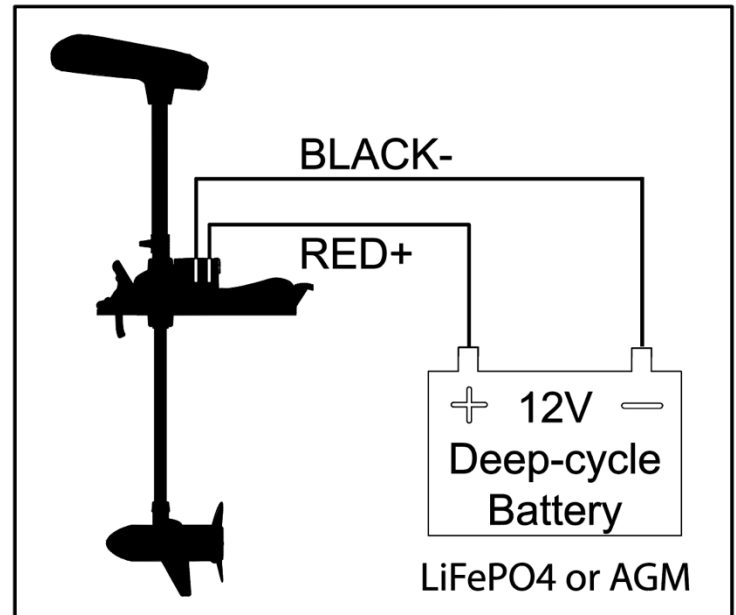
- Anti-slip spacer
- M6 nut

Please note that the adjacent images show two different versions of the Saxa Predator motor.



4. Battery Connection

- Use only a deep-cycle battery with the correct voltage. Both lead-acid and lithium-based batteries are suitable. Incorrect voltage or wiring may damage the motor's electronics.
- Connect the battery's positive (+) terminal (red wire) and negative (-) terminal (black wire) to the corresponding motor connectors. The ring terminal should be positioned as low as possible, under the washer (see image 5).
- Always ensure the battery is securely fastened and not in contact with metal objects. Using a battery box is recommended. Some lead-acid battery types, such as AGM, may require ventilation.



⚠ WARNING

Always disconnect the motor from the battery when charging the battery. Charging without disconnecting may damage the motor's electronics.

🔧 ATTENTION

We recommend installing a 60 A circuit breaker between the battery's positive terminal (+) and the motor's red power cable (+). The circuit breaker protects the motor in case of a fault and prevents damage.

💡 HINT

Get a power plug for the motor or use the included power switch (Shadow model). This way, when charging, simply unplug the connector or turn off the power switch—there's no need to disconnect the motor's power cables from the battery every time you charge.

Proper use of the motor

1. Lowering and raising the motor

Lowering the motor

- Press the lift/lower pedal and gently lower the motor, making sure that the bottom of the depth adjustment ring aligns with the steering collar.

Raising the motor

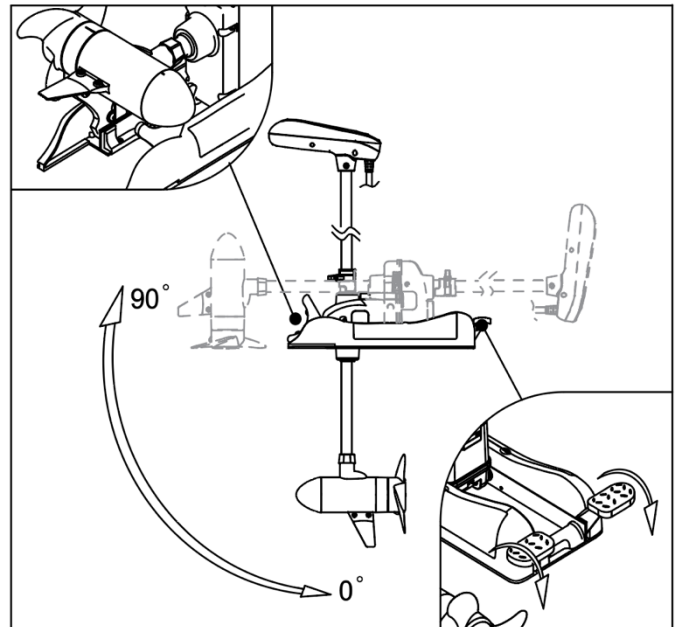
- Press the foot pedal, grab the motor shaft, head, or body, and lift while pulling back horizontally until the motor clicks into the bracket.

⚠ WARNING

During lifting and lowering operations, keep your fingers away from all hinges and joints.

⚠ WARNING

The motor shaft moves smoothly, making operation easy. However, do not let the motor drop freely — lower it in a controlled manner to avoid damaging the steering collar or other parts of the motor.



2. Motor depth adjustment

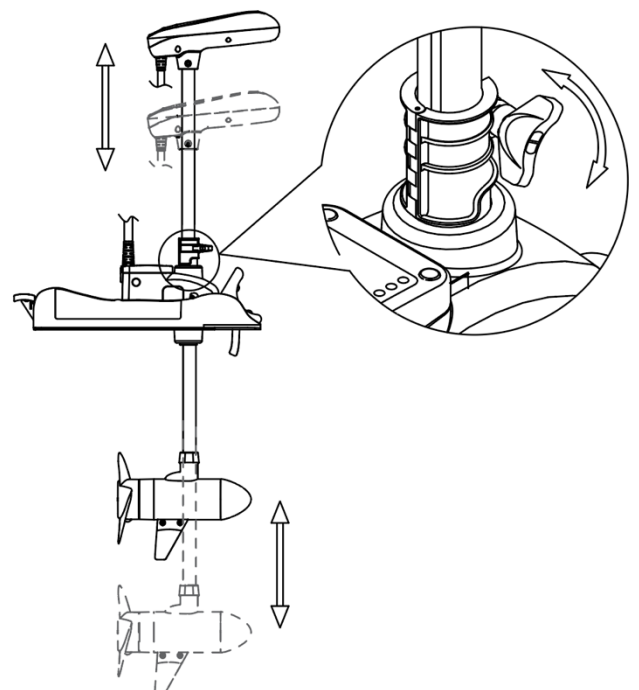
- Hold the motor shaft, loosen the depth adjustment ring nut, and adjust the motor to the desired depth. Tighten the nut once the depth is correct (see image).

⚠ WARNING

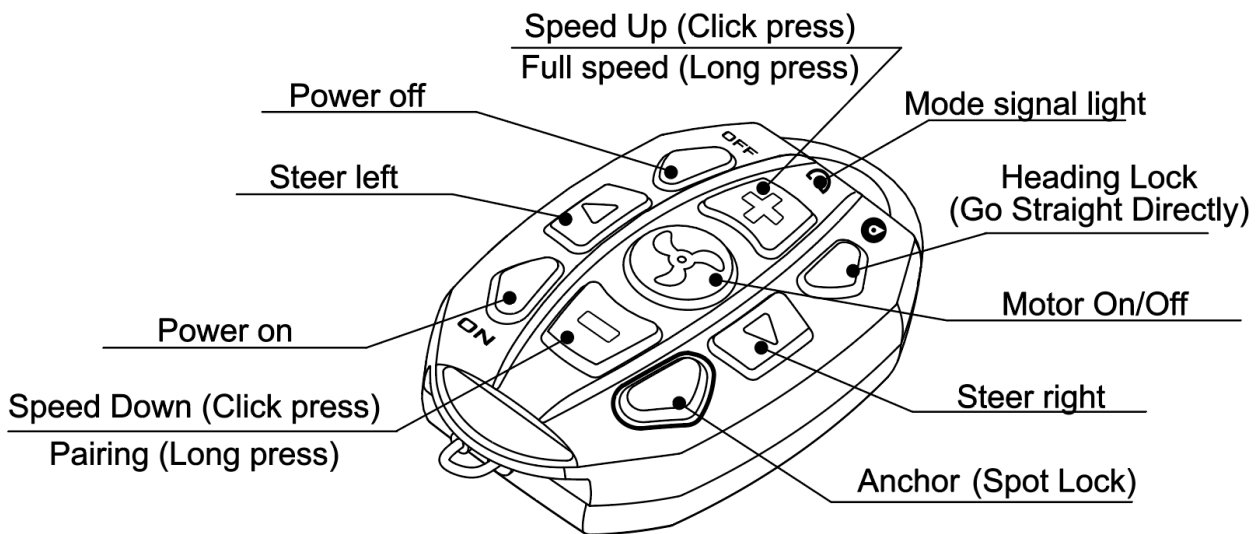
When transporting the boat on a trailer with the motor in place or driving through waves using the outboard engine, always lock the depth adjustment ring at the gearbox level (i.e., the lower end of the shaft) and support the shaft near the top.

💡 HINT

During the first use, find the right depth for your fishing needs. Mark the top of the depth adjustment ring with a permanent marker to easily find the same depth in future uses.

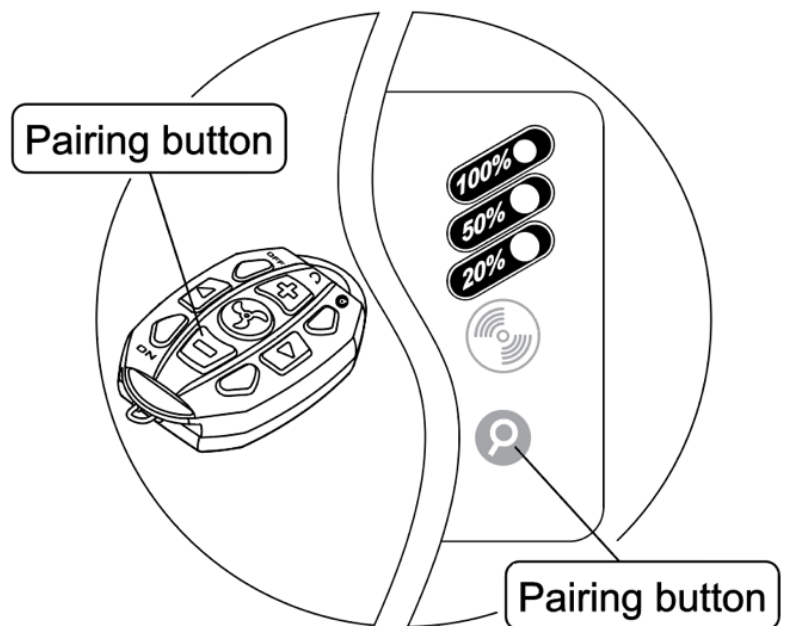


3. Buttons on the remote control



4. Pairing the remote control with the motor

Press and hold **the pairing button** (as shown in the image, located below the battery indicator lights) and **the minus button** on the remote control simultaneously for three (3) seconds or until you hear 3 beeps confirming a successful connection. Release both buttons.



5. Status indicator light

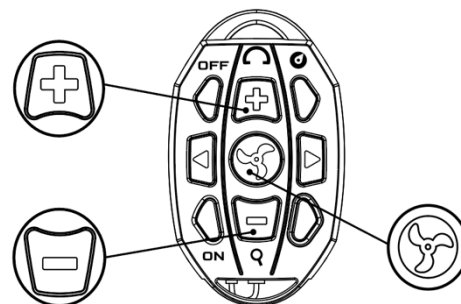
1. Press the "ON" button: the light stays on or blinks. The remote control is in standby mode.
2. Press any button: the red indicator light blinks, indicating signal transmission.
3. Select **the anchor button**: the light turns two-tone pink/purple, indicating the motor is in anchor mode (Spot Lock).
4. Press the "OFF" button to turn off the remote control. The indicator light will turn off.

ATTENTION



If you press the "ON" button and the light does not turn on or stays red continuously, charge the remote control — the battery is empty.

6. Speed control

- Press the motor activation button (middle button), then tap + or - to adjust the motor speed.
- To reach full speed: press and hold +
- Press the motor icon again to stop the motor.





7. Heading control

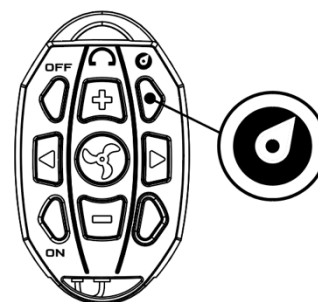
Press  or  to turn the motor heading left or right.

8. Spot Lock

Press the anchor button to activate the Spot Lock function, which holds the boat in place. Press the button again to deactivate Spot Lock, returning the motor to stop mode. After pressing the Spot Lock button, press the speed buttons to select the desired speed.

9. Heading Lock

When the cruise direction button is pressed, the boat moves in the direction it was heading at the moment the button was pressed. Press  or  to adjust the travel direction. Press the cruise direction button again to exit the mode.



10. Neck lanyard

For added comfort, the lanyard can be adjusted according to personal preference — for example, worn around the neck or attached to a belt loop with a carabiner.

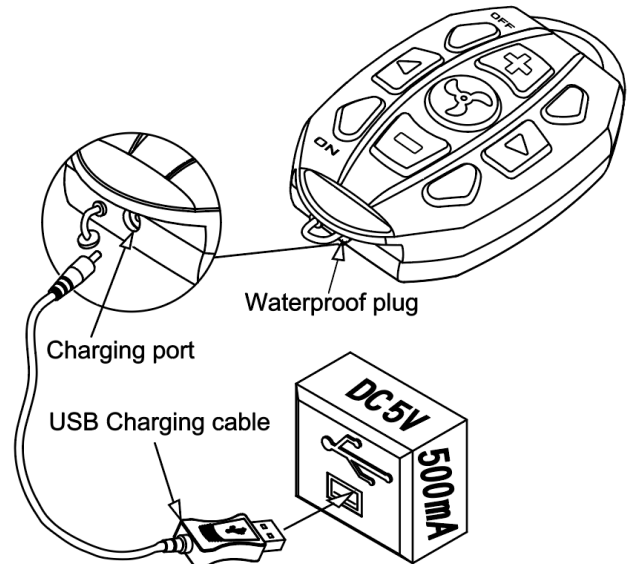
11. Charging the remote control

Remove the waterproof protective cap and connect the USB charging cable. The USB end of the cable has a charging status light:

- **Red light** = charging
- **Green light** = fully charged

ATTENTION

When charging the remote control for the first time, the light may quickly turn green. Leave the device charging overnight or for several hours. Use only the provided charging cable — using the wrong cable may damage the battery and electronics.



The remote control can be used for an average of 48 hours continuously. If your boat has a USB charging port, you can use the remote control while it is connected to charging.

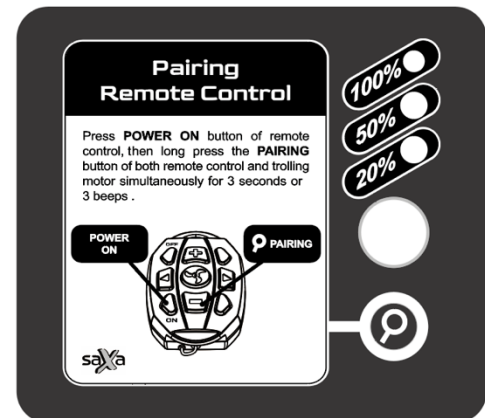
12. Battery status indicator

The motor features a battery status indicator (3 LED lights) that shows the charge level of the connected battery. As the battery voltage drops, the indicated charge level will gradually decrease as well. It is recommended to recharge the battery when the charge level drops to 20%, especially in the case of lead-acid batteries.

Lithium batteries contain a BMS (Battery Management System) that manages the battery's condition. When the battery reaches its maximum allowed depth of discharge (DoD), it will automatically cut off power.

ATTENTION

With lithium batteries, the charge level indicator may not always be completely accurate due to the nature of lithium battery discharge. Most lithium batteries include a Bluetooth function that allows you to monitor the exact charge level via a mobile app.



Troubleshooting

1. Motor will not start or is lacking power

- Ensure that the power cable is properly connected.
 - Check that the battery terminals are clean and free from corrosion.
 - Make sure the battery is fully charged. If it is empty or has low voltage, recharge the battery.
 - Check that no fishing line or vegetation is tangled around the propeller. Remove any debris and make sure the motor is disconnected from the battery before cleaning.
 - Ensure that the propeller drive pin is in good condition.
-

2. Motor is vibrating

- Make sure the propeller is installed correctly. Check the condition of the propeller and the drive pin or shear pin and replace any worn parts if necessary.
- Disconnect the battery and try rotating the propeller by hand. The propeller should rotate freely without significant resistance.

If there is strong resistance or the propeller is jammed, contact service or your dealer.

3. Overload warning

- A continuous beep indicates motor overload. This may be caused by excessive load (e.g., a heavy boat or an obstruction in the propeller).
 - If the battery voltage drops too low, the motor will shut off to protect itself.
-

Audio signals

Beep

One (1) beep

Two (2) beep

Three (3) beep

Five (5) beep

Continuous beeping

Long continuous beeping

Status

Operation signal

Operation completed / Reset to default settings

Pairing successful

System ready

Low battery warning

Power overload

ATTENTION

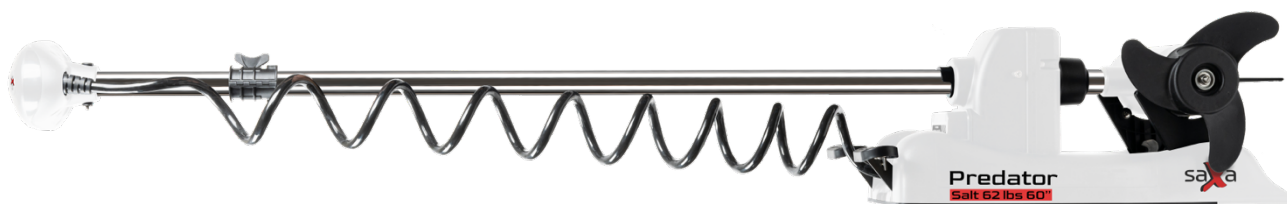
For all other malfunction situations, please contact customer service at info@ruoto.fi or +358 20 779 0971.

Maintenance

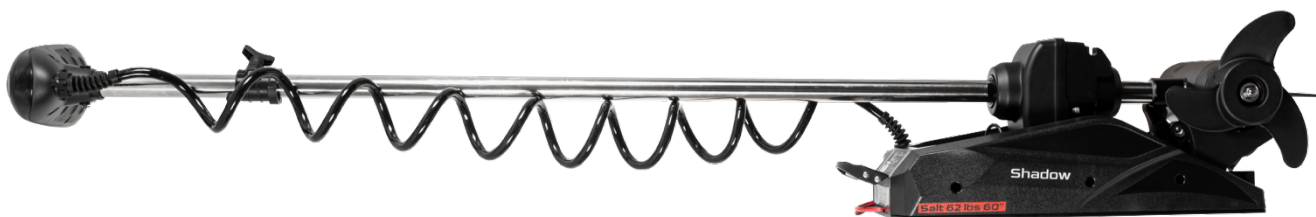
1. Thoroughly wash and clean the motor and propeller after each use, especially after use in saltwater. Although the motor is designed for use in seawater, regular cleaning and maintenance are highly recommended to ensure long-term, trouble-free operation. Misuse or surface rust is not covered by the warranty.
2. Remove debris such as aquatic plants from around the propeller and propeller shaft after each use.
3. Regularly lubricate moving parts with appropriate lubricant and use proper tools to secure parts when necessary.
4. Apply corrosion protection regularly to protect the motor.
5. Store the motor in a dry and well-ventilated area. The motor can be stored in almost any position.
6. Do not place heavy objects on top of the motor.
7. This product is intended for outdoor use only.
8. This motor is designed for recreational outdoor use. Continuous professional long-distance boating powered by this electric motor is not permitted.



Saxa Predator Pro 58 lbs 54"




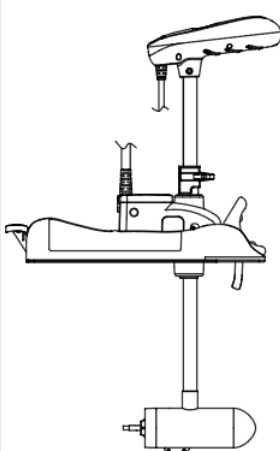


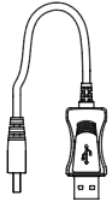
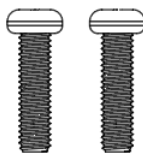
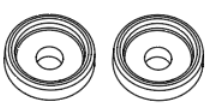


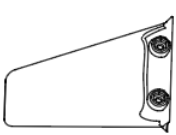
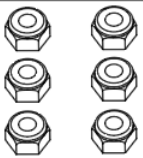

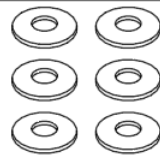
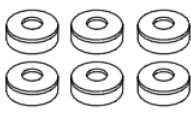
Saxa Predator Salt 62 lbs 60"

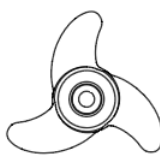


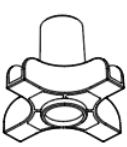


Saxa Predator Shadow 62 lbs 60"



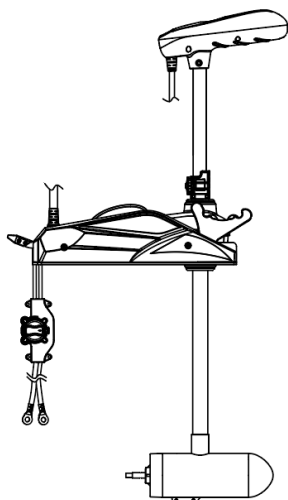
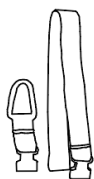
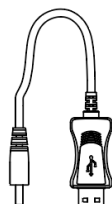
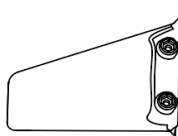
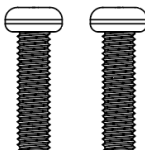

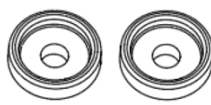



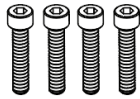

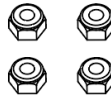
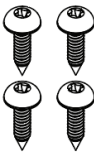


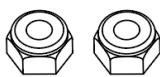

Package contents Saxa Predator Pro and Saxa Predator Salt:

1	GPS MANUAL				
	<div></div> <div>English version 1PCS</div>				

2	Trolling Motors	Wireless pocket remote	Slings	USB Charging cable	PM4x14 screws
		 1PCS	 1PCS	 1PCS	 2PCS
		OWNER'S MANUAL	Sacrificial Anode	Drive pin	M4 nuts
		 1PCS	 2PCS	 2PCS	 2PCS
	Motor fin	M6 nuts	TM6X60 screws	Ø20XØ6.5X1 Washer	Motor anti-pulley
	 1PCS	 6PCS	 6PCS	 6PCS	 6PCS

3	Propeller	Ø18XØ8.2X1 Washer	M8 nuts	Propeller Wrench
	 1PCS	 2PCS	 2PCS	 1PCS

Package contents Saxa Predator Shadow:

<div>GPS MANUAL</div> <div></div> <div>English version 1PCS</div>		<div>3<div>无线口袋遥控器</div><div>Wireless pocket remote</div></div> <div></div> <div>1PCS</div>			
1 <div>Trolling Motor</div> <div></div> <div>1PCS</div>	<div>Slings</div> <div></div> <div>1PCS</div>	<div>USB Charging cable</div> <div></div> <div>1PCS</div>	<div>Motor fin</div> <div></div> <div>1PCS</div>	<div>PM4x14 screws</div> <div></div> <div>2PCS</div>	
	<div>OWNER'S MANUAL</div> <div></div> <div>1PCS</div>	<div>Sacrificial Anode</div> <div></div> <div>2PCS</div>	<div>Drive pin</div> <div></div> <div>2PCS</div>	<div>M4 nuts</div> <div></div> <div>2PCS</div>	
	<div>Hexagon Wrench</div> <div></div> <div>1PCS</div>	<div>HIM8x60 screws</div> <div></div> <div>4PCS</div>	<div>Ø17XØ8 X1.5Washer</div> <div></div> <div>4PCS</div>	<div>M8 nuts</div> <div></div> <div>4PCS</div>	<div>TM4x16 screws</div> <div></div> <div>4PCS</div>
	<div>螺旋桨</div> <div>Propeller</div> <div></div> <div>1PCS</div>	<div>Ø18xØ10.2X1 垫片</div> <div>Ø18XØ10.2X1 Washer</div> <div></div> <div>2PCS</div>	<div>M10 螺母</div> <div>M10 nuts</div> <div></div> <div>2PCS</div>	<div>多用扳手</div> <div>Propeller Wrench</div> <div></div> <div>1PCS</div>	



Tight lines!