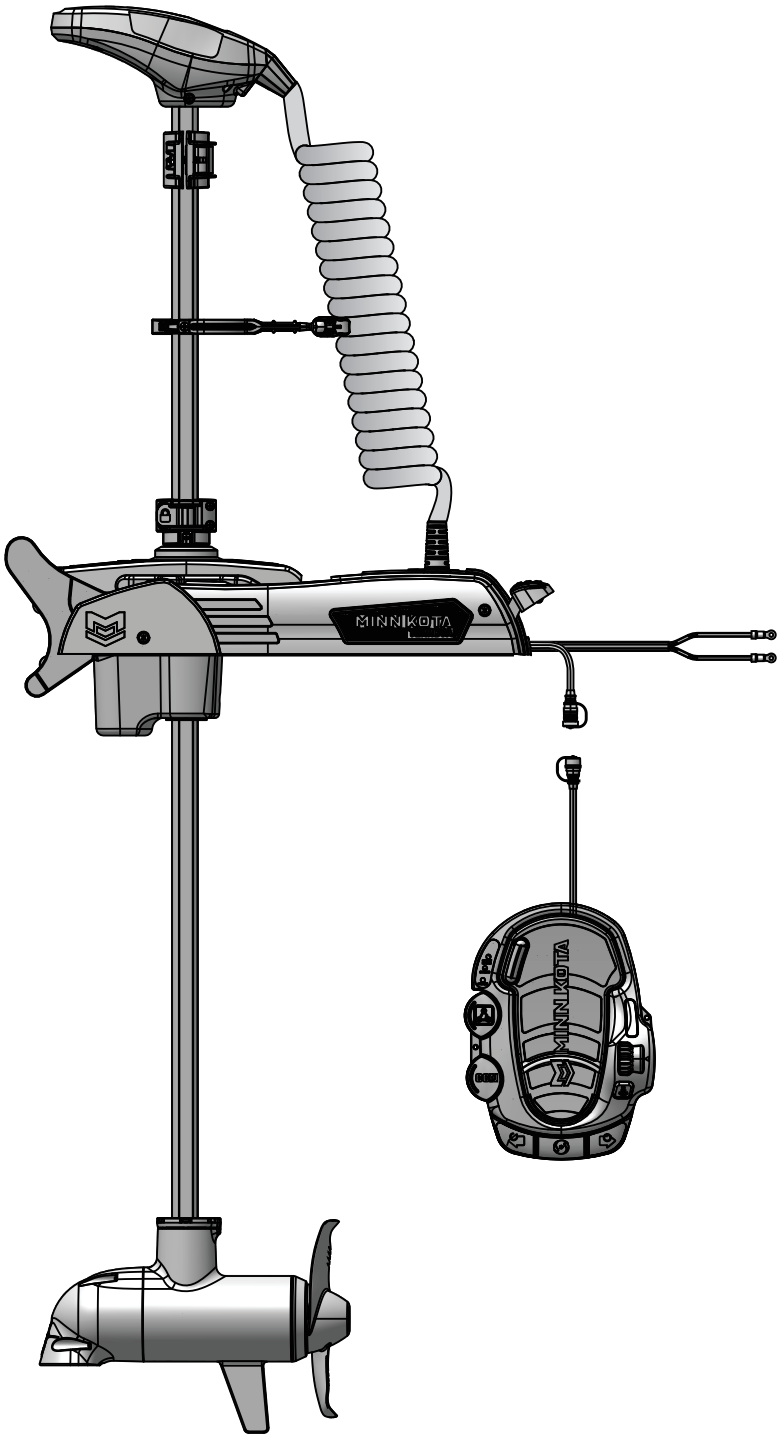
MINN KOTA®



TERROVA® QUEST™

BOW-MOUNT TROLLING MOTOR

Installation Instructions

INTRODUCTION

THANK YOU

Thank you for choosing Minn Kota. We believe that you should spend more time fishing and less time positioning your boat. That's why we build the smartest, toughest, most intuitive trolling motors on the water. Every aspect of a Minn Kota trolling motor is thought out and rethought until it's good enough to bear our name. Countless hours of research and testing provide you the Minn Kota advantage that can truly take you "Anywhere. Anytime." We don't believe in shortcuts. We are Minn Kota. And we are never done helping you catch more fish.

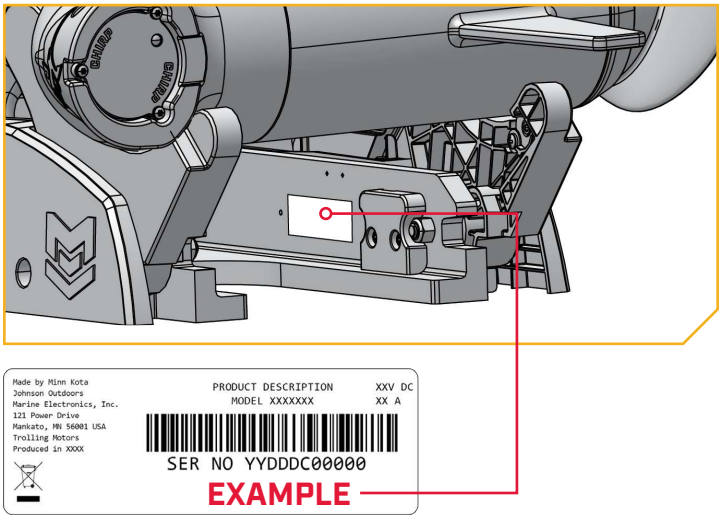
REGISTRATION

Remember to keep your receipt and immediately register your trolling motor on our website at minnkota.johnsonoutdoors.com/register.

SERIAL NUMBER

Your Minn Kota 11-character serial number is very important. It helps to determine the specific model and year of manufacture. When contacting Consumer Service or registering your product, you will need to know your product's serial number.

NOTICE: The serial number for the Terrova QUEST is located on the inside of the Mount, behind the left Fall Away Ramp.



NOTICE: Do not return your Minn Kota motor to your retailer. Your retailer is not authorized to repair or replace this unit. You may obtain service by: calling Minn Kota at (800) 227-6433; returning your motor to the Minn Kota Factory Service Center; sending or taking your motor to any Minn Kota authorized service center. A list of authorized service centers is available on our website at minnkota.johnsonoutdoors.com. Please include proof of purchase, serial number and purchase date for warranty service with any of the above options.

Made for iPhone® 11 and iPhone X

For updated iOS, Humminbird® and Minn Kota® compatibility, visit minnkota.johnsonoutdoors.com

Made for iPhone

Made for Android™

Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. iPhone is a trademark of Apple Inc., registered in the U.S. and other countries. The trademark "iPhone" is used in Japan with a license from Aiphone K.K.

Android™ is a trademark of Google LLC. The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License.

SAFETY CONSIDERATIONS

Please thoroughly read the user manual. Follow all instructions and heed all safety and cautionary notices. Use of this motor is only permitted for persons that have read and understood these user instructions. Minors may use this motor only under adult supervision.

⚠ WARNING

You are responsible for the safe and prudent operation of your vessel. We have designed your Minn Kota product to be an accurate and reliable tool that will enhance boat operation and improve your ability to catch fish. This product does not relieve you from the responsibility for safe operation of your boat. You must avoid hazards to navigation and always maintain a permanent watch so you can respond to situations as they develop. You must always be prepared to regain manual control of your boat. Learn to operate your Minn Kota product in an area free from hazards and obstacles.

⚠ WARNING

Never run the motor out of the water, as this may result in injuries from the rotating propeller. The motor should be disconnected from the power source when it is not in use or is off the water. When connecting the power-supply cables of the motor to the battery, ensure that they are not kinked or subject to chafe and route them in such a way that persons cannot trip over them. Before using the motor make sure that the insulation of the power cables is not damaged. Disregarding these safety precautions may result in electric shorts of battery(s) and/or motor. Always disconnect motor from battery(s) before cleaning or checking the propeller. Avoid submerging the complete motor as water may enter the lower unit through control head and shaft. If the motor is used while water is present in the lower unit considerable damage to the motor can occur. This damage will not be covered by warranty.

⚠ WARNING

Take care that neither you nor other persons approach the turning propeller too closely, neither with body parts nor with objects. The motor is powerful and may endanger or injure you or others. While the motor is running watch out for persons swimming and for floating objects. Persons whose ability to run the motor or whose reactions are impaired by alcohol, drugs, medication, or other substances are not permitted to use this motor. This motor is not suitable for use in strong currents. The constant noise pressure level of the motor during use is less than 70dB(A). The overall vibration level does not exceed 2,5 m/sec2.

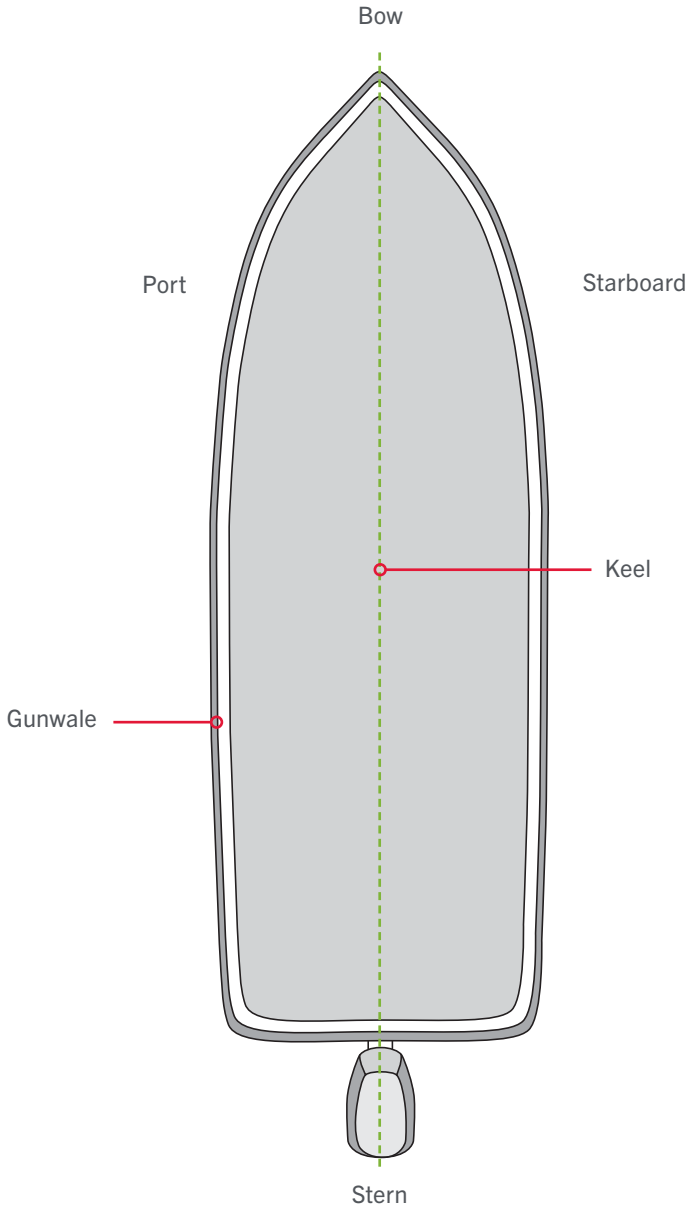
⚠ WARNING

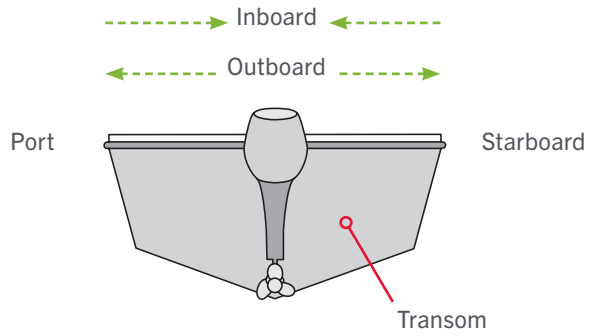
When stowing or deploying the motor, keep fingers clear of all hinge and pivot points and all moving parts. In the event of unexpected operation, remove power leads from the battery.

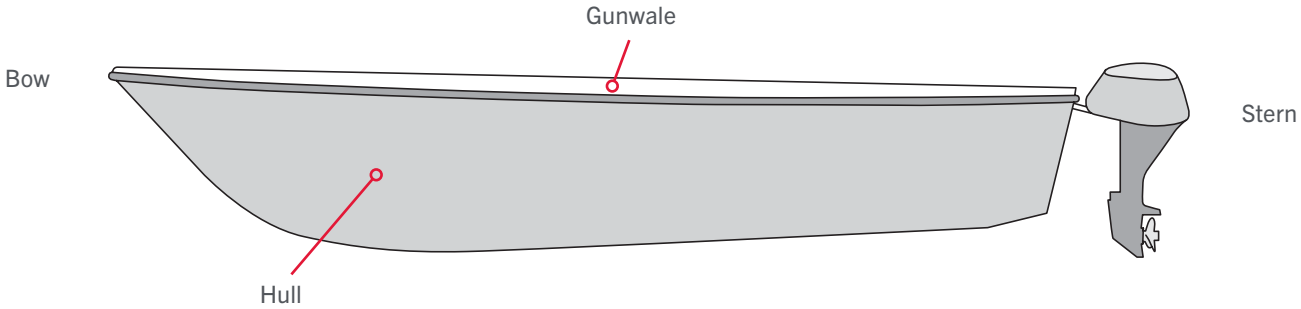
⚠ WARNING

It is recommended to only use Johnson Outdoors approved accessories with your Minn Kota motor. Using non-approved accessories including to mount or control your motor may cause damage, unexpected motor operation and injury. Be sure to use the product and approved accessories, including remotes, safely and in the manner directed to avoid accidental or unexpected motor operation. Keep all factory installed parts in place including motor and accessory covers, enclosures and guards.

KNOW YOUR BOAT







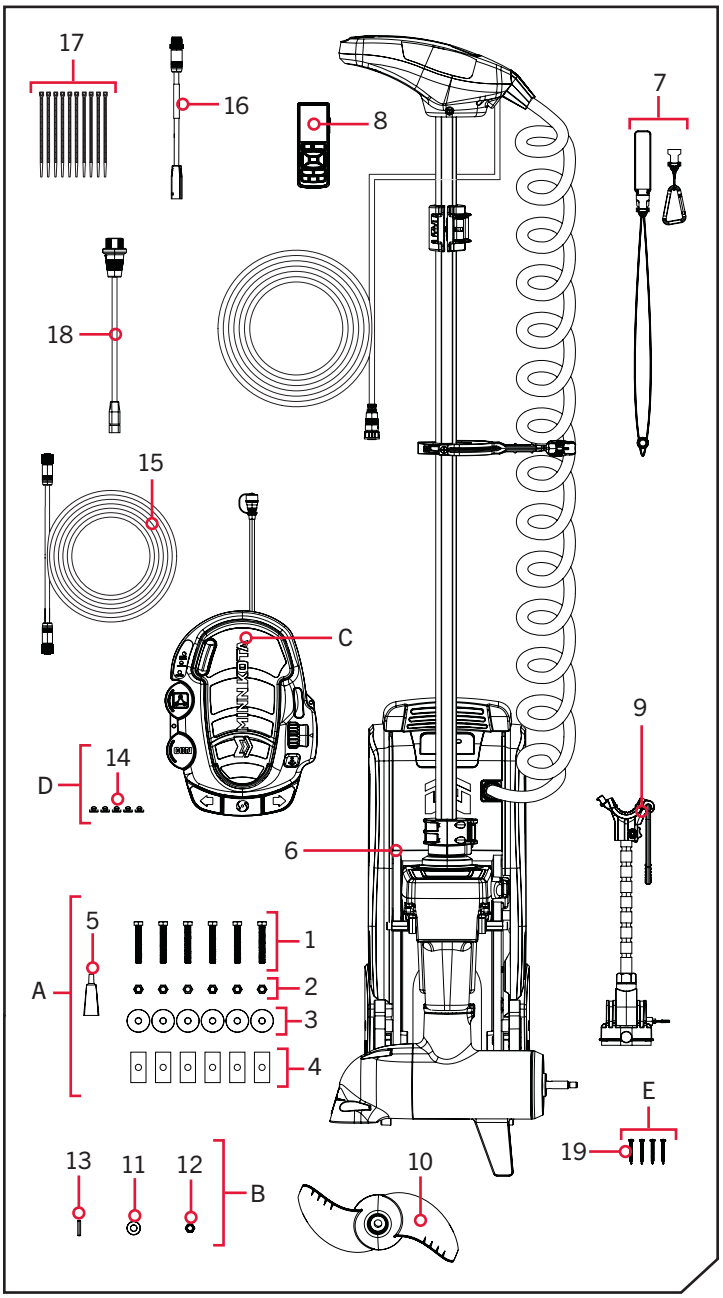
INSTALLATION

INSTALLING THE TERROVA QUEST

Your new Terrova QUEST comes with everything you'll need to install it directly to the boat. The motor can be mounted directly to the bow or coupled with a Minn Kota quick release bracket for ease of mounting and removal. For compatible quick release brackets and to locate your nearest dealer, visit minnkota.johnsonoutdoors.com. To install the motor directly to the boat, follow the instructions provided in this manual. Please review the parts list, mounting considerations and tools needed for installation prior to getting started. For additional product support, visit minnkota.johnsonoutdoors.com.

INSTALLATION PARTS LIST ❯

Item / Assembly	Part #	Description	Qty.
A (Includes 1-5)	2994948	BAG ASM, INSTINCT, T3 BL HDW	1
1	2323440	SCREW-3/8-16 X 2 1/2 HHCS SS	6
2	2383122	NUT 3/8-16 NYLON INST LOCKNUT	6
3	2321710	WASHER, RUBBER MOUNT	6
4	2371796	BACKUP BAR 3/16 X 1 X 2	6
5	2378608	ANTI SEIZE TUBE, 4CC, TALON	1
6	✖	MOTOR ASSEMBLY	1
7	2390802	LANYARD w/CARARBINER IP RMT U2	1
8	411690-1	TROLLING MOTOR REMOTE	1
9	2992371	STABILIZER, BWMT ES TM ASM *72"*	1
10	2321170	PROP, POWER REAMED	1
B (Includes 11-13)	2992604	BAG ASSM, PROP HARDWARE	1
11	2091701	WASHER-PROP (LARGE) MAX101	1
12	2093101	NUT-PROP,NYLOC,LG,MX101 3/8 SS	1
13	2262659	PIN-DRIVE 1" X 3/16 SS 17-4	1
C	2994735	FOOT PEDAL ASM, TRV 3 BL	1
D (Includes 14)	2994859	BAG ASY-TERROVA/V2,RUB.BUMPERS	1
14	2325110	PAD,FOOT PEDAL PD	5
15	490384-4	CABLE, ETHERNET (M12-M12), 30'	1
16	490380-1	CABLE, ETHERNET PIGTAIL-700 HD	1
17	2996300	BAG ASM, TIE WRAPS, LOW PRO 4"	1
18	2994961	BAG ASM, CABLE,ADPTR, 490537-2 *490537-2* *MKR-MI-1* *DSC* *MSI*	1
E (Includes 19)	2994955	BAG ASM, MKA-60 STABILIZER *72"*	1
19	2383475	SCREW-#8-18x1½L SELF DRILL SS *72"*	4
▲	2327138	MANUAL, TERROVA 3 BL	1
▲	2327140	MANUAL-INSTLL GUIDE T3 BL	1
▲	2397110	MANUAL, WIRELESS REMOTE	1
▲	2397115	GUIDE-QCK REFERENCE iP 4.0	1
▲	2327155	LIST, TERROVA QUEST	1
▲	2377179	INSTR.SHEET, MKA-60 STBLZR *72"*	1



▲ *Not shown on Parts Diagram.*

✖ *This part is included in an assembly and cannot be ordered individually.*

MOUNTING CONSIDERATIONS

MOUNTING CONSIDERATIONS ❯

It is recommended that the motor be mounted as close to the centerline or keel of the boat as possible. Make sure the area under the mounting location is clear to drill holes and install hardware. The mounting surface for the Terrova QUEST must be flat. Rubber washers can be used to shim the base extrusion flat before hardware is tightened.

The motor must not encounter any obstructions as it is lowered into the water or raised into the boat when stowed and deployed. When stowed, ensure that there is enough room for the Shaft and Control Head and that they do not extend off the side of the boat.

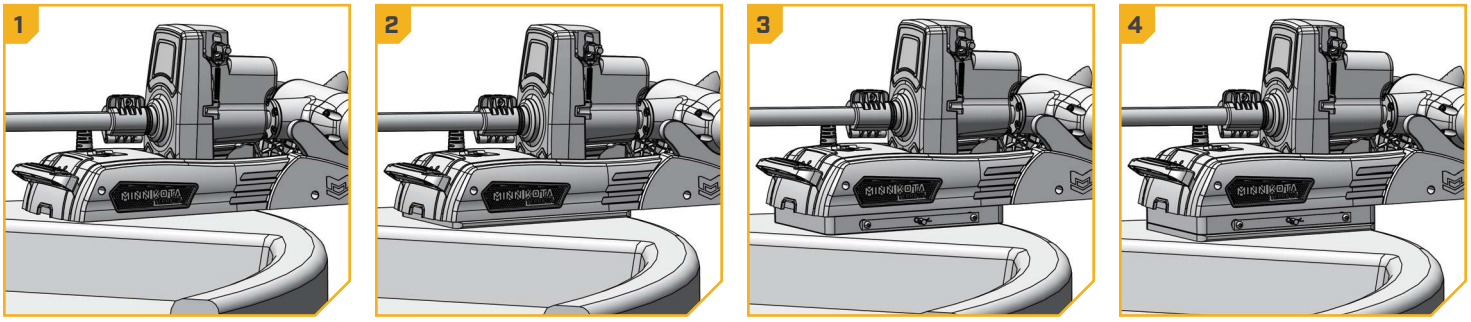
View accessories available for your trolling motor at minnkota.johnsonoutdoors.com.

All six mounting holes must be used when securing the Terrova QUEST to the boat deck. If the desired mounting location does not allow for all six mounting holes and mounting bolts, a Boat Deck Reinforcement Kit (1854058) should be used or a new mounting location selected. Consider a quick release bracket with the installation of your motor.

Mounting options for the Terrova QUEST include:

1. Installing the motor directly to the boat deck
2. Mounting the motor with an MKA-58 Boat Deck Reinforcement Kit (1854058)
3. Mounting the motor with an MKA-56/RTA-55 composite quick release bracket (1854056 - black/1854055 - white) or an MKA-57 sliding quick release bracket (1854057)
4. Combining an MKA-58 Boat Deck Reinforcement Kit and an MKA-56/RTA-55 Quick Release Bracket with the Terrova QUEST

When mounting the Terrova QUEST directly to the boat, follow the installation instructions outlined in this manual. If an accessory bracket will be used to mount the Terrova QUEST, follow the installation instructions provided with the mounting accessory. To view a list of compatible accessories, visit minnkota.johnsonoutdoors.com.



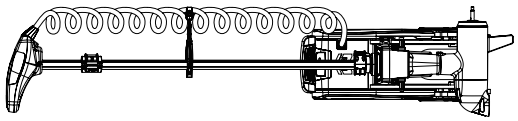
TOOLS AND RESOURCES REQUIRED ❯

- #3 Phillips Screwdriver
- Drill
- 3/8” Drill Bit
- Needle-nose Pliers
- Awl or similar marking tool
- 9/16” Open/Box End Wrench
- 9/16" Deep Well Socket
- A second person to help with the installation

INSTALLING THE TERROVA QUEST

1

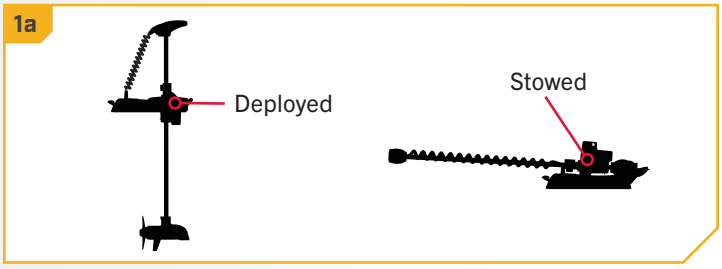
ITEM(S) NEEDED



#6 x 1

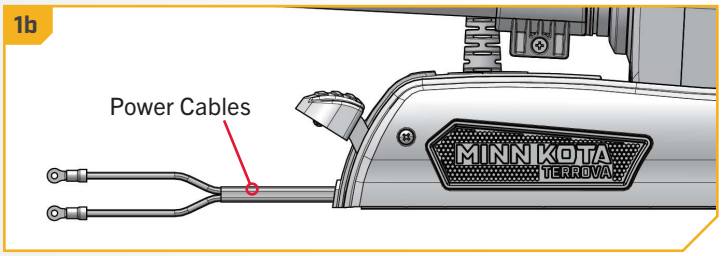
a. Place the trolling motor (Item #6) on an elevated, level surface, such as a workbench or the tailgate of a pickup. The motor, as removed from the box, should be in the stowed position.

b. Make sure that the Power Cables from the battery are disconnected or that the breaker, if equipped, is “off.”



⚠ WARNING

Make sure the motor is on a level surface and is not connected to a power source.

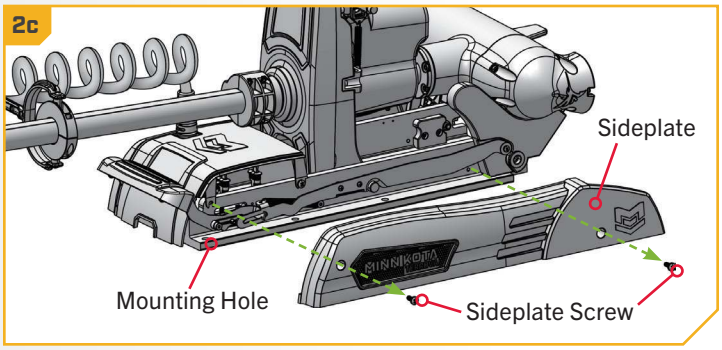


NOTICE: The trolling motor weighs up to 90lb. Minn Kota recommends having a second person help with the installation.

2

c. Remove the four Sideplate Screws using a #3 Phillips Screwdriver. Two screws will be located on each side of the mount.

d. Remove the Right Sideplate and Left Sideplate to expose the six mounting holes in the Base Extrusion.

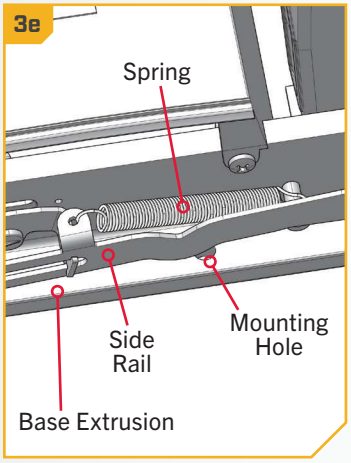


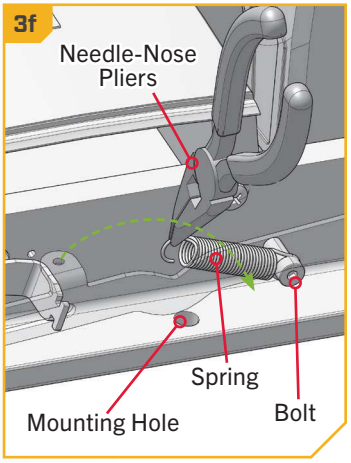
NOTICE: Ensure that the area between the Mount and Steering Housing is clean and free of debris and that no installation hardware has fallen in. The Mount contains pads that contact the Steering Housing when stowed. The motor cannot stow securely if an obstruction is present on the pads.

3

e. The center mounting hole on each side of the Base Extrusion is blocked by a Spring. One end of each Spring must be disconnected in order to access the mounting holes.

f. To disconnect the Spring, take a Needle-nose Pliers and carefully grab the hooked end on the top half of the Spring. Unhook it from the hole in the Side Rail by pulling up and away. Guide it towards the bottom half of the Spring still attached to the Base Extrusion and gently set it down. Do not disconnect the end of the Spring that is wrapped around a bolt. Repeat this process with the remaining Spring on the other side of the mount.





⚠ CAUTION

When maneuvering each Spring, carefully handle the Spring to avoid bending it. Do not grab the body of the Spring to avoid pinching between the spring coils. Always grab by the hooked end.

⚠ CAUTION

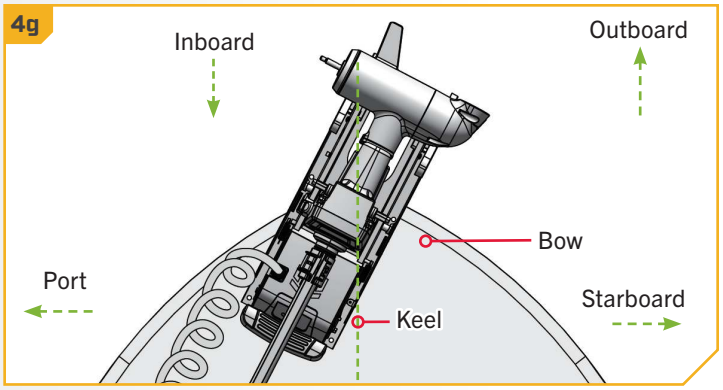
When handling each Spring, always keep the spring tension under control. Abruptly releasing the Spring while there is still tension could damage it and cause it to release unpredictably.

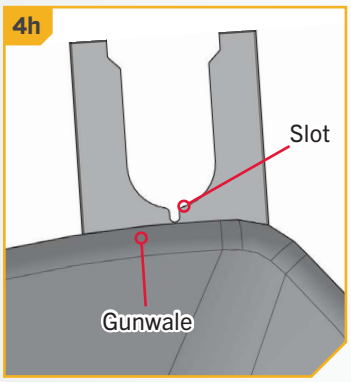
4

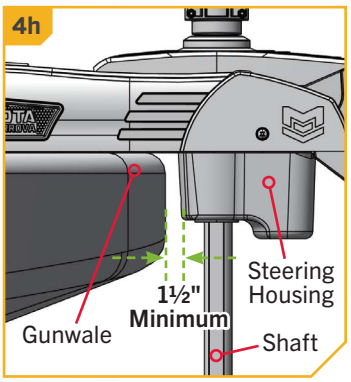
g. Review the mounting considerations at the beginning of the Installation section for proper clearance. Place the motor on the bow of the boat at the intended mounting location, as close to the centerline or keel as possible. Ensure there is enough room for the Shaft and Control Head and that they do not extend off the side of the boat. The motor can be installed on either the Port or Starboard side of the bow, based on personal preference.

h. Position the motor so that the Slot in the Base Extrusion is positioned beyond the boat Gunwale. For proper clearance, the entire Slot must be visible beyond the Gunwale. When the motor is deployed, there must be a minimum required distance of 1½" between the Gunwale and the bottom of the Steering Housing and Shaft.

i. When mounting the Terrova QUEST, all six mounting holes must be used. If the desired mounting location does not allow for all six mounting holes, a Boat Deck Reinforcement Kit (1854058) should be used or a new mounting location selected.







5

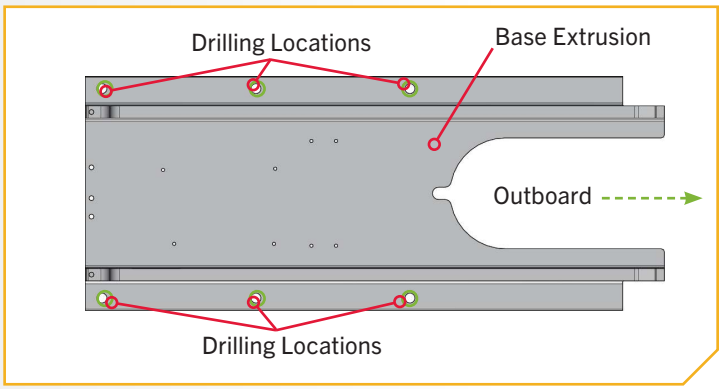
j. With the motor at the intended mounting location, take an Awl or similar tool and mark all six mounting holes in the Base Extrusion.

k. Slide the motor aside to drill the mounting holes.

l. Drill through the boat deck using a Drill and a 3/8" Drill Bit on all six marked locations.

m. Reposition the motor over the drilled holes to install mounting hardware.

NOTICE: New mounting holes are required when upgrading from a Terrova to a Terrova QUEST. New mounting holes will accommodate the higher thrust motor and ensure the installation is secure.



NOTICE: The mounting surface for the Terrova QUEST must be flat. Rubber Washers can be used to shim the Base Extrusion flat before hardware is tightened.

6

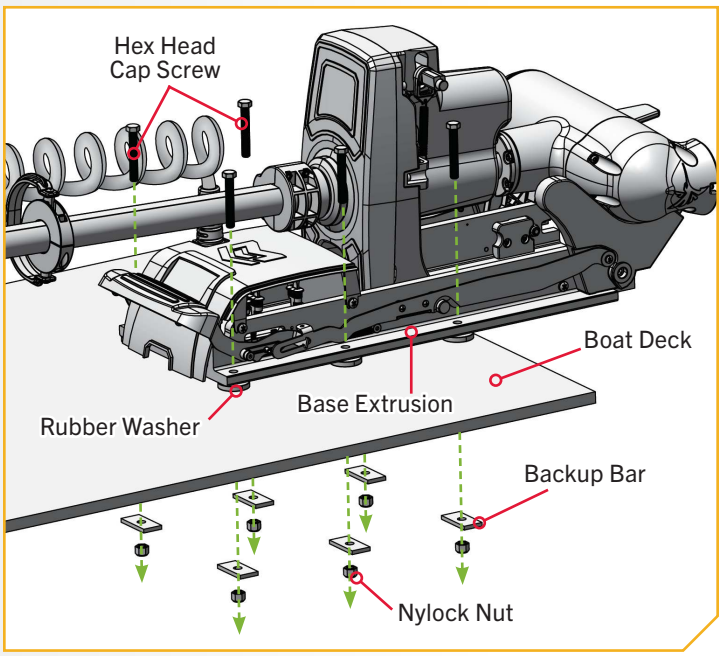
ITEM(S) NEEDED

NOTICE: To prevent seizing of the stainless steel hardware, do not use high-speed installation tools. Wetting the screws or applying an anti-seize (Item #5) may help prevent seizing.

n. Take six Hex Head Cap Screws (Item #1) and apply anti-seize (Item #5) to each Screw. Insert the Screws through the Base Extrusion and into each of the drilled locations. If Rubber Washers (Item #3) are used, the Rubber Washers should sit between the Base Extrusion and boat deck. Take care not to damage the loose Springs that were released to access the mounting holes.

o. Place a Backup Bar (Item #4) and then a Nylock Nut (Item #2) on the end of each Screw. Tighten with a 9/16" Box End or Open End Wrench. Make sure all hardware is secure.

NOTICE: Use extra care to avoid pinching and damaging the sensor wires that run alongside the Base Extrusion when installing and tightening the mounting hardware.



7

p. With the mounting hardware secure, reassemble the Springs that were disconnected. Use a Needle-nose Pliers to grab the hooked end of the loose Spring. Reconnect it by pulling it upwards and hooking it in the hole on the Side Rail. The curved end of the Spring should be reattached from the top down. Make sure the Spring is not twisted when reattaching it. Reattach the Spring on both the right and left sides of the Base Extrusion.

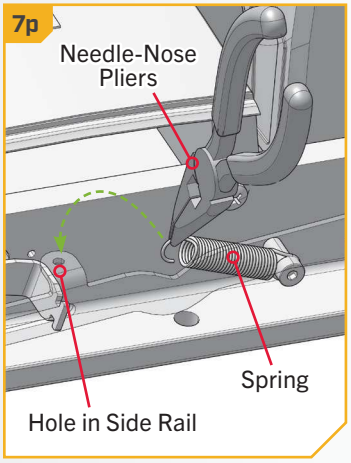
⚠ CAUTION

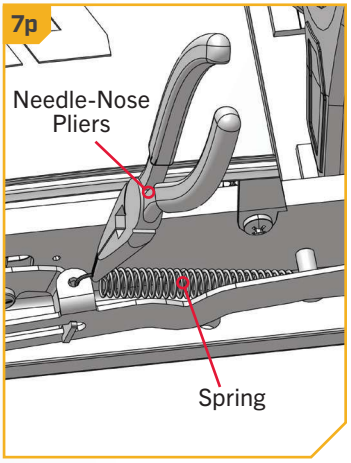
When maneuvering each Spring, carefully handle the Spring to avoid bending it. Do not grab the body of the Spring to avoid pinching between the spring coils. Always grab by the hooked end.

q. With both Springs reattached, replace the Right Sideplate and Left Sideplate.

r. Reinstall the four Sideplate Screws using a #3 Phillips Screwdriver. Two of these screws will be located on each side of the mount. Hand tighten.

NOTICE: When reinstalling the Sideplates, be sure not to pinch the sensor wires that run alongside the Base Extrusion.





⚠ CAUTION

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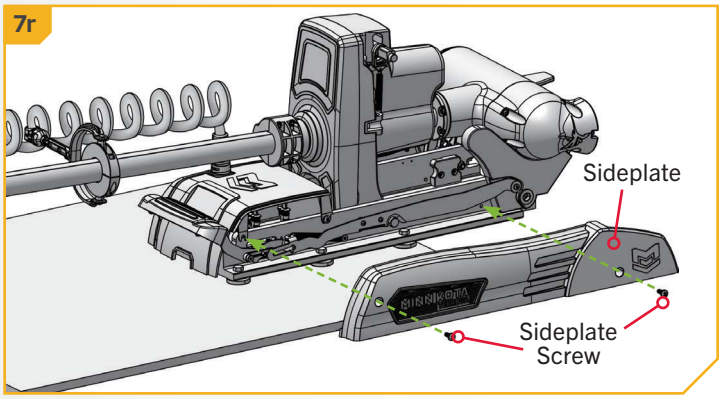


BATTERY & WIRING INSTALLATION

BOAT RIGGING & PRODUCT INSTALLATION

For safety and compliance reasons, we recommend that you follow American Boat and Yacht Council (ABYC) standards when rigging your boat. Altering boat wiring should be completed by a qualified marine technician. The following specifications are for general guidelines only:

⚠ CAUTION

These guidelines apply to general rigging to support your Minn Kota motor. Powering multiple motors or additional electrical devices from the same power circuit may impact the recommended conductor gauge and circuit breaker size. If you are using wire longer than that provided with your unit, follow the conductor gauge and circuit breaker sizing table below. If your wire extension length is more than 25 feet, we recommend that you contact a qualified marine technician.

⚠ CAUTION

An over-current protection device (circuit breaker or fuse) must be used. Coast Guard requirements dictate that each ungrounded current-carrying conductor must be protected by a manually reset, trip-free circuit breaker or fuse. The type (voltage and current rating) of the fuse or circuit breaker must be sized accordingly to the trolling motor used. The table below gives recommended guidelines for circuit breaker sizing.

CONDUCTOR GAUGE AND CIRCUIT BREAKER SIZING TABLE

This conductor and circuit breaker sizing table is only valid for the following assumptions:

1. No more than 2 conductors are bundled together inside of a sheath or conduit outside of engine spaces.
2. Each conductor has 105° C temp rated insulation.
3. No more than 3% voltage drop allowed at full motor power based on published product power requirements.

Motor Thrust / Model	Max Amp Draw	Circuit Breaker		Wire Extension Length				
		Amps	Minimum	5 feet	10 feet	15 feet	20 feet	25 feet
QUEST 24V	60	60 Amp	24 VDC	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG
QUEST 36V	60	60 Amp	36 VDC	6 AWG	6 AWG	6 AWG	6 AWG	4 AWG

NOTICE: Wire Extension Length refers to the distance from the batteries to the trolling motor leads. Consult website for available thrust options.

Reference

United States Code of Federal Regulations: 33 CFR 183 – Boats and Associated Equipment ABYC E-11: AC and DC Electrical Systems on Boats

SELECTING THE CORRECT BATTERIES

The QUEST series trolling motors are compatible with deep-cycle marine batteries operating at 12, 24, or 36 volts. They are optimized for use with LiFePO4 lithium-ion battery cells, which maintain higher voltages over extended periods compared to lead-acid batteries, thereby enhancing trolling motor performance.

To ensure safety and compliance, it's essential to adhere to the relevant marine regulations and standards for battery choices in different regions:

UNITED STATES - Use only batteries that meet U.S. Coast Guard regulations and applicable American Boat and Yacht Council (ABYC) standards. ABYC's E-13 standard for lithium-ion batteries ensures safety and reliability in marine environments.

CANADA - Comply with Transport Canada's Transportation of Dangerous Goods (TDG) Regulations, which govern the safe handling, packaging, labeling, and transportation of batteries, particularly lithium batteries classified as dangerous goods. Marine safety guidelines provided by Transport Canada further ensure environmental protection and operational safety when using batteries on vessels.

EUROPE - Follow the European Union's Batteries Regulation, which promotes sustainability, performance, and safety throughout a battery's life cycle.

AUSTRALIA - Comply with the Australian Maritime Safety Authority (AMSA) regulations and standards, which emphasize maritime safety and environmental protection.

NEW ZEALAND - Align with Maritime New Zealand's standards, which provide guidance on the safe use of lithium-ion batteries on vessels.

Always consult local and/or in-country marine regulations and standards when selecting and installing batteries for your trolling motor to ensure compliance and optimal performance.

Deep Cycle Amp-Hour Rating			
Run Time	**Voltage**	**Group Size**	**Amp-Hour**
GOOD	12	24	70-85
BETTER	12	27	85-110
BEST	12	31	95-125

QUEST series trolling motors may also be powered with lead-acid (flooded, AGM, or GEL) deep-cycle marine 12-volt battery/batteries. For best results Minn Kota recommends using a deep-cycle marine battery with rating outlined in the "Deep Cycle Amp-Hour Rating" table. Maintain lead-acid batteries at full charge. Proper care will ensure battery power when needed and significantly improve battery life. Failure to recharge lead-acid batteries (within 12-24 hours) is the leading cause of premature battery failure. Use a multi-stage charger to avoid overcharging. When using Lithium Ion batteries, manufacturers may recommend storing in a semi-charged state and charging fully prior to use.

If using a crank battery to start a gasoline outboard, Minn Kota recommends using a separate battery/batteries for your Minn Kota trolling motor. Always check with the battery manufacturer for specific maintenance, care and storage instructions. Minn Kota also offers a wide selection of chargers to fit your charging needs. For more information on battery selection, rigging, and chargers, please visit minnkota.johnsonoutdoors.com.

⚠ WARNING

Never connect the (+) and the (–) terminals of the same battery together. Take care that no metal object can fall onto the battery and short the terminals. This would immediately lead to a short and extreme fire danger.

⚠ CAUTION

Refer to “Conductor Gauge and Circuit Breaker Sizing Table” in the previous section to find the appropriate circuit breaker or fuse for your motor. For motors requiring a 60-amp breaker, the Minn Kota MKR-27 60-amp circuit breaker (1865115) is recommended.

⚠ CAUTION

Please read the following information before connecting your motor to your batteries in order to avoid damaging your motor and/or voiding your warranty.

ADDITIONAL CONSIDERATIONS

Using DC or Alternator Chargers

Your Minn Kota trolling motor may be designed with an internal bonding wire to reduce sonar interference. Most alternator charging systems do not account for this bonding wire, and connect the negative posts of the trolling motor batteries to the negative posts of the crank/starting battery. These external connections can damage connected electronics and the electrical system of your trolling motor, voiding your warranty. Review your charger’s manual carefully or consult the manufacturer prior to use to ensure your charger is compatible.

Minn Kota recommends using Minn Kota brand chargers to recharge the batteries connected to your Minn Kota trolling motor, as they have been engineered to work with motors that include a bonding wire. Learn more about Minn Kota chargers online at minnkota.johnsonoutdoors.com.

Additional Accessories Connected to Trolling Motor Batteries

Significant damage to your Minn Kota motor, your boat electronics, and your boat can occur if incorrect connections are made between your trolling motor batteries and other battery systems. Minn Kota recommends using an exclusive battery system for your trolling motor. Where possible, accessories should be connected to a separate battery system. Radios and sonar units should not be connected to any trolling motor battery systems as interference from the trolling motor is unavoidable. If connecting any additional accessories to any trolling motor battery system, or making connections between the trolling motor batteries and other battery systems on the boat, be sure to carefully observe the information below.

The negative (-) connection must be connected to the negative terminal of the same battery that the trolling motor negative lead connects to. In the diagrams below this battery is labeled “Low Side” Battery. Connecting to any other trolling motor battery will input positive voltage into the “ground” of that accessory, which can cause excess corrosion. Any damage caused by incorrect connections between battery systems will not be covered under warranty.

Automatic Jump Start Systems and Selector Switches

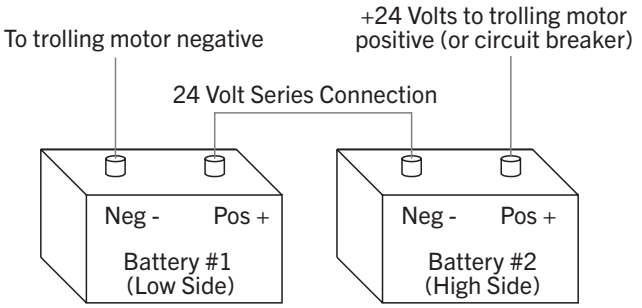
Automatic jump start systems and selector switches tie the negatives of the connected batteries together. Connecting these systems to the “High Side” Battery or “Middle” Battery in the diagrams below and will cause significant damage to your trolling motor and electronics. The only trolling motor battery that is safe to connect to one of these systems is the “Low Side” Battery.

CONNECTING THE BATTERIES IN SERIES (IF REQUIRED FOR YOUR MOTOR)

24-Volt Systems

Two 12-volt batteries are required. The batteries must be wired in series, only as directed in the wiring diagram, to provide 24 volts.

1. Make sure that the motor is switched off (speed selector on “0”).
2. Connect a connector cable to the positive (+) terminal of battery 1 and to the negative (–) terminal of battery 2.
3. Connect positive (+) red motor lead to positive (+) terminal on battery 2.
4. Connect negative (–) black motor lead to negative (–) terminal of battery 1.



Two 12-volt batteries connected in series for 24 volts

⚠ WARNING

For safety reasons do not switch the motor on until the propeller is in the water. If installing a leadwire plug, observe proper polarity and follow instructions in your boat owner’s manual.

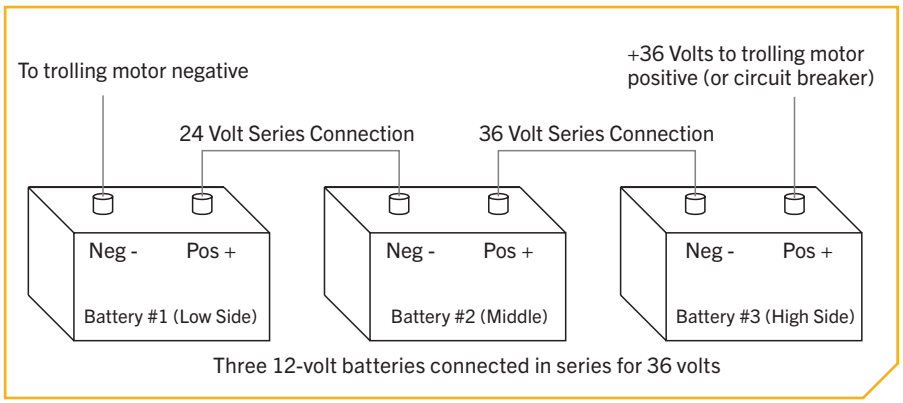
⚠ WARNING

- For safety reasons, disconnect the motor from the battery or batteries when the motor is not in use or while the battery/batteries are being charged.
- Improper wiring of 24/36 volt systems could cause battery explosion.
- Keep leadwire wing nut connections tight and solid to battery terminals.
- Locate battery in a ventilated compartment.

36-Volt Systems

Three 12-volt batteries are required. The batteries must be wired in series, only as directed in the wiring diagram, to provide 36 volts.

1. Make sure that the motor is switched off (speed selector on “0”).
2. Connect a connector cable to the positive (+) terminal of battery 1 and to the negative (–) terminal of battery 2 and another connector cable from the positive (+) terminal of battery 2 to the negative (–) terminal of battery of battery 3.
3. Connect positive (+) red motor lead to positive (+) terminal on battery 3.
4. Connect negative (–) black motor lead to negative (–) terminal of battery 1.



Three 12-volt batteries connected in series for 36 volts

⚠ WARNING

For safety reasons, do not switch the motor on until the propeller is in the water. If installing a leadwire plug, observe proper polarity and follow instructions in your boat owner’s manual.

⚠ WARNING

- For safety reasons, disconnect the motor from the battery or batteries when the motor is not in use or while the battery/batteries are being charged.
- Improper wiring of 24/36 volt systems could cause battery explosion.
- Keep leadwire wing nut connections tight and solid to battery terminals.
- Locate battery in a ventilated compartment.

COMPLETING THE INSTALLATION

IDENTIFYING TROLLING MOTOR FEATURES AND THEIR ASSOCIATED CABLES

Feature & Cable Identification

The Terrova QUEST is pre-installed with Advanced GPS Navigation - including the ability to connect via Ethernet to a Humminbird unit. The motor is also pre-installed with sonar, either Dual Spectrum CHIRP or Built-in MEGA Side Imaging. These features may be installed on their own or in combination with another feature. All of these features require Accessory Cables to be connected to an output device. The connectors are present on the trolling motor and have cables that exit below the Control Head. To better identify Accessory Cables present, refer to the diagrams that detail what the Dual Spectrum CHIRP, Built-in MEGA Side Imaging and Advanced GPS Navigation connectors look like.

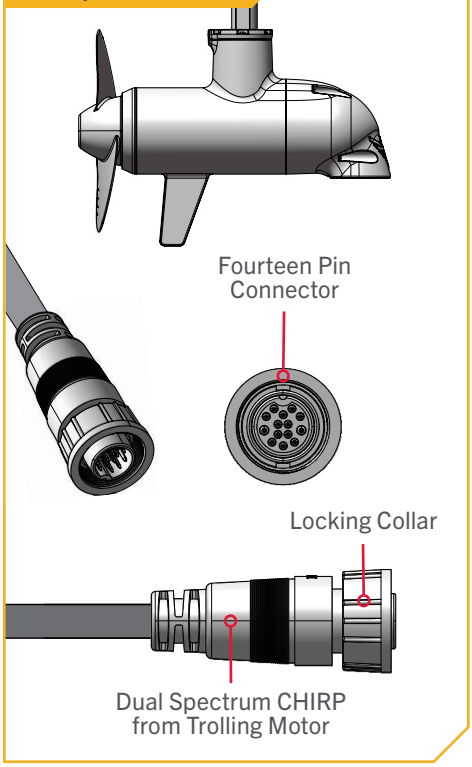
Identifying Connectors

Two connectors are present below the Control Head. The trolling motor will be equipped with:

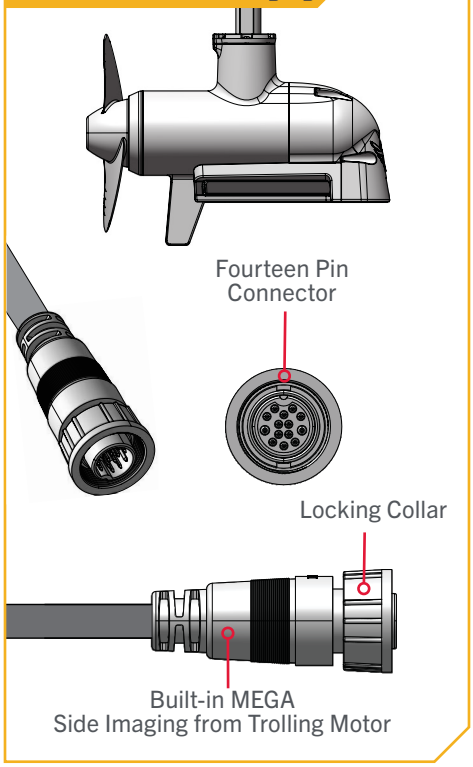
Advanced GPS Navigation & Dual Spectrum CHIRP or Built-in MEGA Side Imaging - Advanced GPS Navigation is pre-installed on your trolling motor. One Eight-Pin Advanced GPS Ethernet Connector will exit the base of the Control Head and rest just below the Control Head next to the Coil Cord. If the Advanced GPS Navigation on the trolling motor will be used with a fish finder, an Ethernet Cable may be attached to the Advanced GPS Ethernet Connector below the Control Head. See the “Advanced GPS Navigation” section of the Owner’s Manual for details on how to install the Advanced GPS Ethernet Connector to a Humminbird.

Dual Spectrum CHIRP or Built-in MEGA Side Imaging is also pre-installed on your trolling motor. One Sonar Accessory Cable will exit the base of the Control Head and run down the center of the Coil Cord. The end of this Cable has a Fourteen-Pin Connector. Motors with Dual Spectrum CHIRP or Built-in MEGA Side Imaging will also have a transducer in the Lower Unit. The appearance of the transducer will vary depending on sonar type.

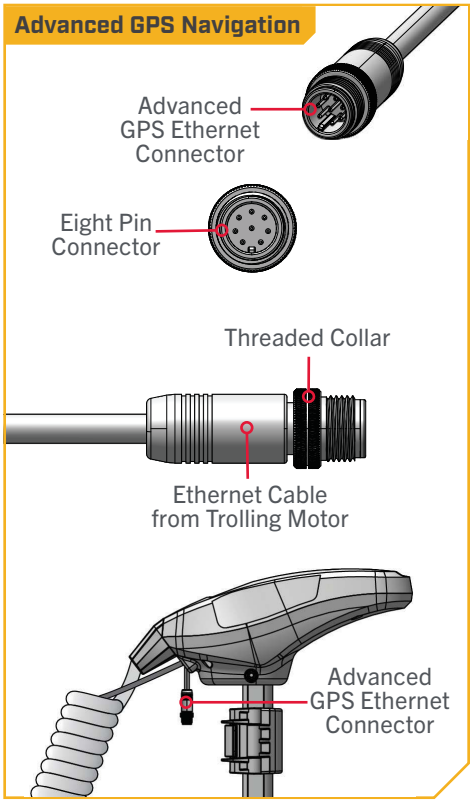
Dual Spectrum CHIRP



Built-in MEGA Side Imaging



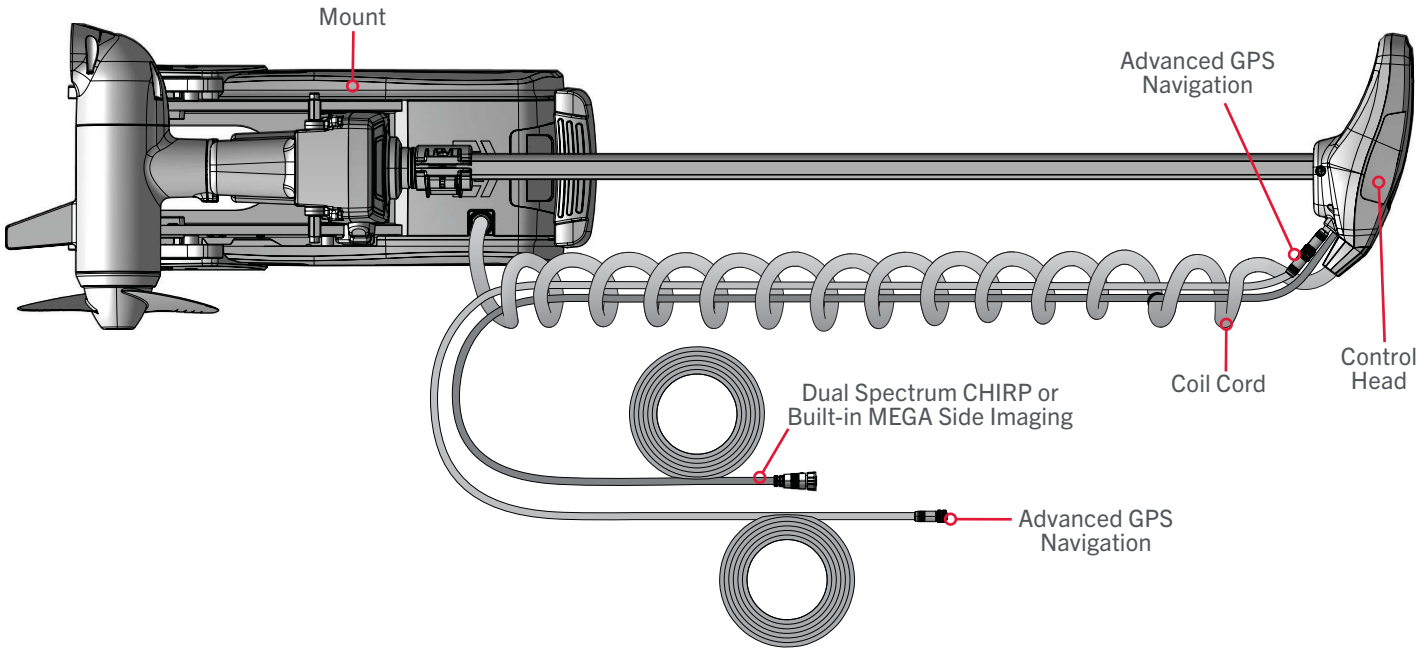
Advanced GPS Navigation



Securing Accessory Cables

NOTICE: If **only one** cable is present below the Control Head, this installation is not applicable.

Before securing accessory cables, please review the "Identifying Trolling Motor Features and Their Associated Cables" section of this document. When identifying features, it is very important to secure the cables if **two** connections are present below the Control Head. If only **one** cable is present below the Control Head, securing the Accessory Cables is not necessary. All Accessory Cables that will be used on the trolling motor must be routed and all connections secured before completing the installation in this section. To review how feature cables should be routed and connected, review the "Advanced GPS Navigation" and "Dual Spectrum CHIRP" or "Built-in MEGA Side Imaging" sections of the Owner's Manual.



⚠ CAUTION

Failure to follow the recommended wire routing for installed features, if equipped, may cause damage to the product and void your product warranty. Route cables away from pinch points or other areas that may cause them to bend in sharp angles. Routing the cables in any way other than directed may cause damage to the cables by being pinched or severed. Do not over-tighten the cable ties as it may damage the wires.

SECURING ACCESSORY CABLES

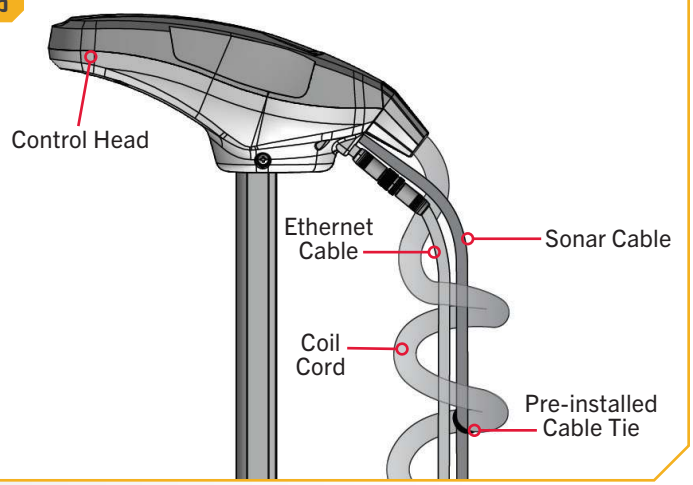
1

a. Place the motor in the stowed position. Confirm all Accessory Cables are connected to an output device as desired.

b. To secure the Accessory Cables, the Sonar Cable and Ethernet Cable will be tied together inside the Coil Cord using Cable Ties. Ensure the Accessory Cables are parallel to each other inside the Coil Cord. Run the Accessory Cables from the Control Head to the Mount, keeping them straight and parallel the entire length.

NOTICE: The Sonar Cable comes from the factory secured to the Coil Cord with a pre-installed Cable Tie. Keep the pre-installed Cable Tie in place.

1b



2

ITEM(S) NEEDED

#17 x 10

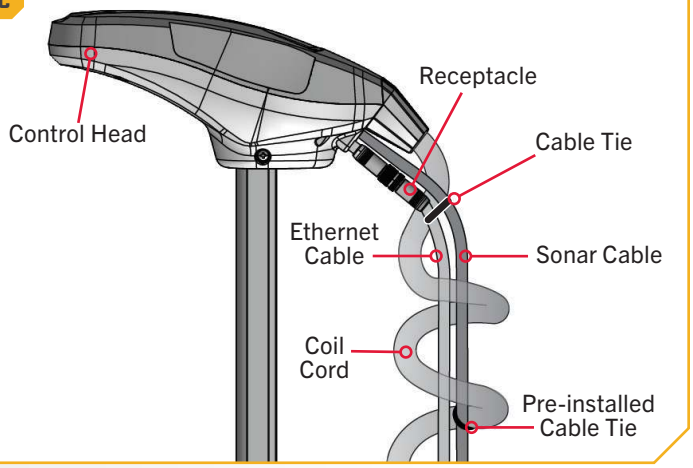
c. Starting below the Control Head, take a Cable Tie (Item #17) and place it directly below the Receptacle on the Ethernet Cable. The Cable Tie should be just below the Receptacle. Keep the pre-installed Cable Tie in place.

d. Wrap the Cable Tie around the Sonar Cable and Ethernet Cable. **Do NOT capture the Coil Cord with the Cable Tie.** The Sonar Cable and Ethernet Cable should be secured together with the Cable Tie but float freely inside the Coil Cord.

NOTICE: Do NOT secure the Accessory Cables to the Coil Cord. ONLY secure the Sonar and Ethernet Cables to each other using Cable Ties.

e. Secure the Cable Tie around the Accessory Cables until it is fingertip tight. Do not over-tighten the Cable Tie as it may damage the Cables.

2c



⚠ CAUTION

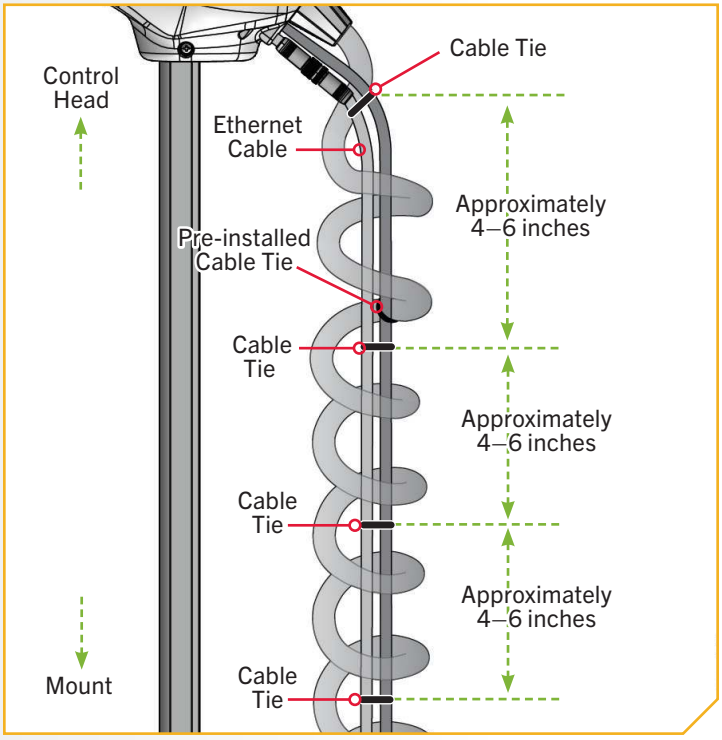
Do not over-tighten the Cable Ties as they may damage the wires.

3

f. Follow the Accessory Cables from the Control Head to the Mount and place additional Cable Ties every 4–6 inches. The number of Cable Ties needed will vary depending on the length of the trolling motor Shaft.

NOTICE: If additional Cable Ties are needed, a Cable Tie Bag Assembly (Part #2996300) is available from the Parts Ordering Portal at minnkota.johnsonoutdoors.com.

NOTICE: Secure the Cable Ties fingertip tight. It is recommended to have them **ONLY** tight enough so that they do not slide around on the Accessory Cables and hold the Cables together.

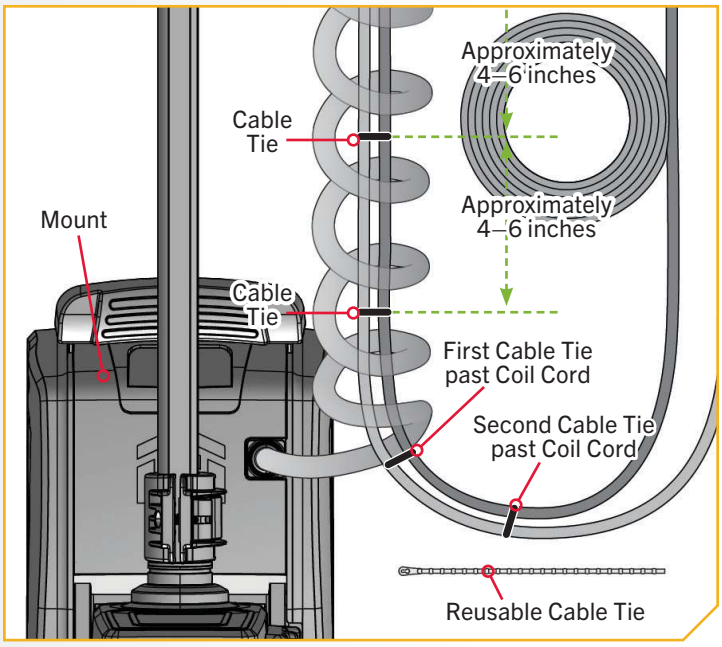


4

g. Continue placing Cable Ties every 4–6 inches along the Accessory Cables until there are two Cable Ties in place past the end of the Coil Cord where it enters the Mount.

h. Look at the placement of the Cable Ties and make sure that at least two Cable Ties are present on the Accessory Cables after they exit the Coil Cord. If no additional Cable Ties are needed, make sure to properly reconnect any Accessory Cables that may have been disconnected.

i. Bundle any excess cable in a loose loop no less than 4" in diameter. The Reusable Cable Tie can be used to secure excess cable.



Installing the Foot Pedal

1

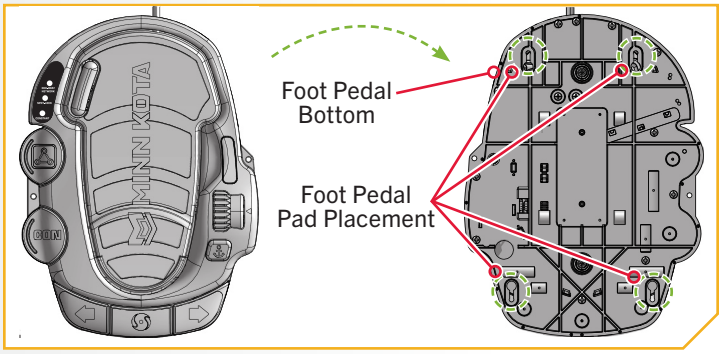
ITEM(S) NEEDED

#14 x 4

#C x 1

a. Take the Foot Pedal (Item #C) and turn it over. Put a Foot Pedal Pad (Item #14) in each of the pad locations.

NOTICE: Adding the Foot Pedal pads is optional. The pads are recommended when using the Foot Pedal on non-carpeted surfaces.



2

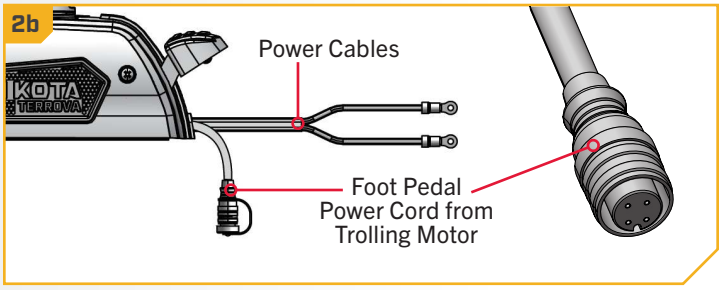
b. Locate the Foot Pedal Power Cord that exits the Mount of the trolling motor, next to the Power Cables. Unscrew the Cap on the Plug at the end of the Foot Pedal Power Cord.

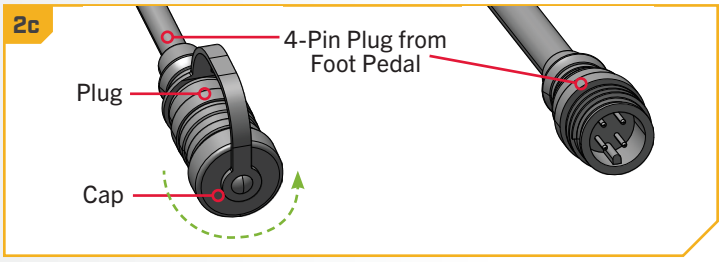
c. Locate the 4-Pin Plug from the Foot Pedal and unscrew the Cap.

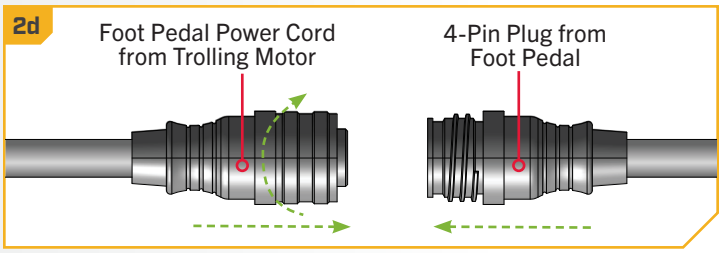
d. Align the 4-Pin Plug from the Foot Pedal with the Plug from the trolling motor. Firmly push the Plugs together. Secure the connection by rotating the collar on the Foot Pedal Power Cord in a clockwise direction.

NOTICE: The connectors are keyed to prevent reversed installation.

NOTICE: When the Foot Pedal Power Cord is not in use, ensure that the Cap is on and firmly secured.







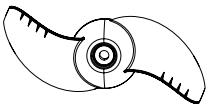
Installing the Prop

⚠ WARNING

Take care that neither you nor other persons approach the turning propeller too closely, neither with body parts nor with objects. The motor is powerful and may endanger or injure you or others. Stay clear of the Prop and watch out for accidental engagement.

1

ITEM(S) NEEDED



#10 x 1 | #11 x 1 | #12 x 1 | #13 x 1

⚠ CAUTION

Disconnect the motor from the battery before beginning any Prop work or maintenance.

a. Take the Drive Pin (Item #13) and slide it through the Hole in the Armature Shaft. Position the Drive Pin horizontally by grasping the Armature Shaft and rotating it with the Drive Pin in place.

b. Align the Prop (Item #10) so it is horizontal and parallel with the Drive Pin. Slide the Prop onto the Armature Shaft and Drive Pin until it is seated against the lower unit.

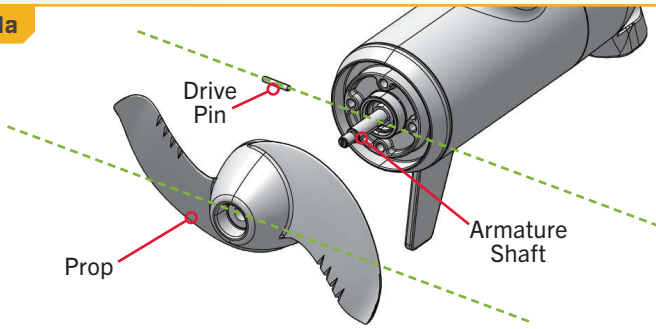
c. Install the Prop Washer (Item #11) and the Prop Nut (Item #12) onto the end of the Armature Shaft.

d. While holding the Prop horizontal, tighten the Prop Nut with a 9/16" Deep Well Socket. Tighten the Prop Nut to 25-35 in-lbs.

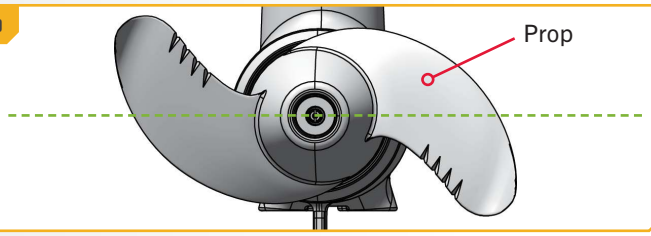
⚠ CAUTION

Do not over-tighten as this can damage the Prop.

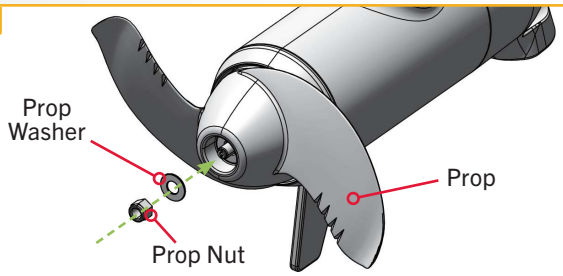
1a



1b



1c



This completes the installation of the Terrova QUEST. A complete Owner's Manual can be downloaded at minnkota.johnsonoutdoors.com.

Scan to view the Owner's Manual online at minnkota.johnsonoutdoors.com. The Owner's Manual contains information on installation, setup, pairing, the One-Boat Network, safety, compliance, maintenance, and more.

RECOMMENDED ACCESSORIES

PRECISION BATTERY CHARGERS

Stop buying new batteries and start taking care of the ones you've got. Many chargers can actually damage your battery over time – creating shorter run times and shorter overall life. Digitally controlled Minn Kota chargers are designed to provide the fastest charge that protect and extend battery life.

MK212PCL

SHALLOW WATER ANCHORS

When you find fish, we're down. From the relentless Raptor to the trusted power of Talon, when you're ready to lock down fish in shallow water, we have your weapon.

RAPTOR
SHALLOW WATER ANCHOR

TALON
SHALLOW WATER ANCHOR

ONE-BOAT NETWORK®

How to Dominate in Shallow Water

A shallow water anchor revolutionizes the way you stay on fish. Both Raptor and Talon give fish nowhere to run and nowhere to hide. Zero in on your target by keeping your boat in the exact position and orientation you want, with a whisper-quiet anchor and no prop to disturb sediment or spook fish.

Anchor in Anything

Raptor and Talon can adjust their anchoring force based on what kind of bottom you're anchoring into, so you get the right amount of power you need for a secure hold in rocks, silt, mud or sand. Raptor can even sense the bottom automatically, dialing in the right amount of force for the job.

Control from Anywhere

Raise and lower your anchor from the unit, a dedicated remote control, wireless remote, One-Boat Network App, or Humminbird fish finder.

MINN KOTA ACCESSORIES

We offer a wide variety of trolling motor accessories, including:

- 60-Amp Circuit Breaker
- Mounting Brackets
- Stabilizer Kits
- Extension Handles
- Battery Connectors
- Battery Boxes
- Quick Connect Plugs

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