

RIPTIDE TERROVA® QUESTTM BOW-MOUNT TROLLING MOTOR

Installation Instructions

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serial number label has been included, which can also be entered in the One-Boat Network App for future reference.

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

MOTOR INFORMATION (For Consumer Reference Only)

Model: ______Serial Number: ______Purchase Date: ______Store Where Purchased: ______

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

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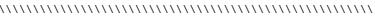


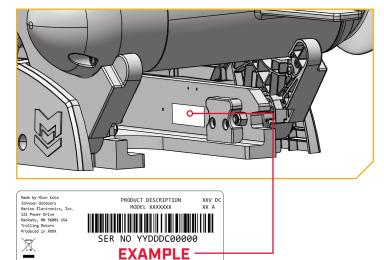
Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with 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.

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SAFETY CONSIDERATIONS

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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.

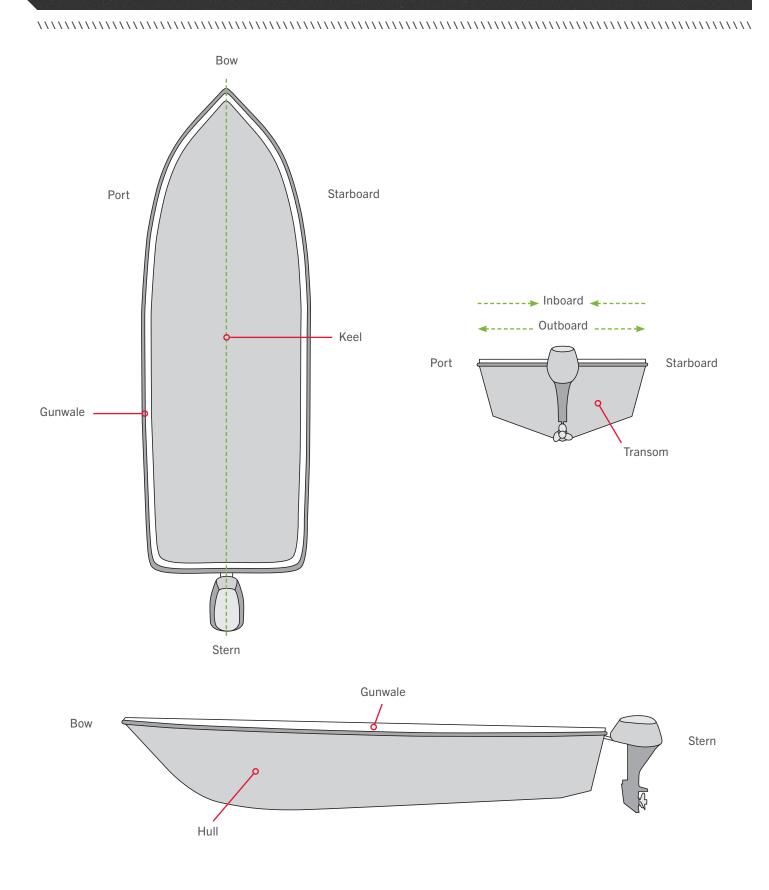
▲ WARNING

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 RIPTIDE TERROVA QUEST

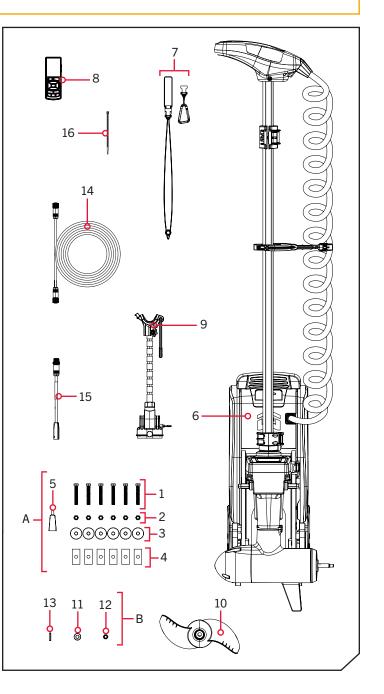
Your new Riptide Terrova QUEST comes with everything you'll need to install it directly to the boat. The motor can be mounted directly to the bow or coupled with a Minn Kota quick release bracket for ease of mounting and removal. For compatible quick release brackets and to locate your nearest dealer, 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 >

ltem / 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"* *87"* *100"*	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
14	490384-4	CABLE, ETHERNET (M12-M12), 30'	1
15	490380-1	CABLE, ETHERNET PIGTAIL-700 HD	1
16	2206301	TIE WRAP, LOW PROFILE 8"	1
	2327139	MANUAL, RT TERROVA 3 BL	1
	2327141	MANUAL-INSTLGUIDE RT T3BL	1
	2397110	MANUAL, WIRELESS REMOTE	1
	2397115	GUIDE-QCK REFERENCE iP 4.0	1
	2294950	INSTRUCTIONS, OBN & REMOTE PAIR	1
	2207130	BRUSHLESS QS SETUP GUIDE	1
	2377179	INSTR.SHEET, MKA-60 STBLZR *72"* *87"* *100"*	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 Riptide Terrova QUEST must be flat. Rubber washers can be used to shim the base extrusion flat before hardware is tightened.

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

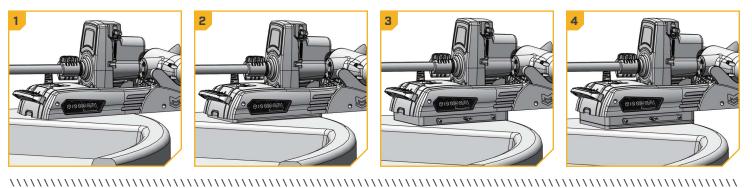
The motor must not encounter any obstructions as it is lowered into the water or raised into the boat when stowed and deployed. When stowed, ensure that there is enough room for the Shaft and Control Head and that they do not extend off the side of the boat.

All six mounting holes must be used when securing the Riptide 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 Riptide 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 Riptide Terrova QUEST

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



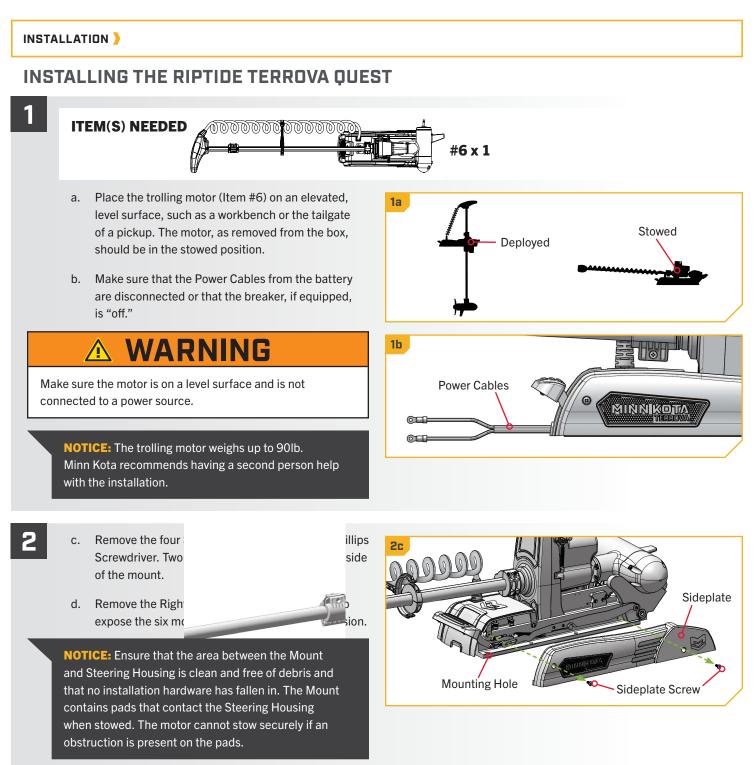
TOOLS AND RESOURCES REQUIRED >

- #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 RIPTIDE TERROVA QUEST



INSTALLING THE RIPTIDE TERROVA (

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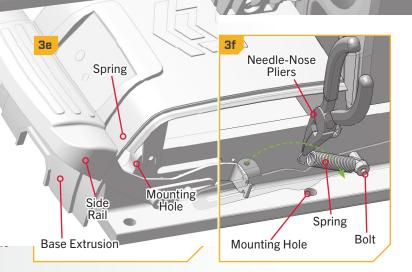
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- e. The center mounting hole on each side of the E Extrusion is blocked by a Spring. One end of ea Spring must be disconnected in order to acces mounting holes.
 - f. To disconnect the Spring, take a Needle-nosel and carefully grab the hooked end on the top h the Spring. Unhook it from the hole in the Side by pulling up and away. Guide it towards the bc half of the Spring still attached to the Base Ext and gently set it down. Do not disconnect the e the Spring that is wrapped around a bolt. Repe process with the remaining Spring on the other _ of the mount.

▲ CAUTION

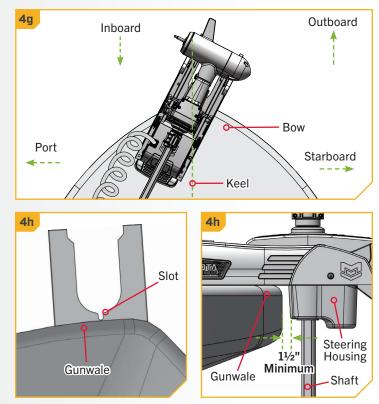
When maneuvering each Spring, carefully handle the Spring to avoid bending it. Do not grab the body of the Spring to avoid pinching between the spring coils. Always grab by the hooked end.

- 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.
 - 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 1¹/₂" between the Gunwale and the bottom of the Steering Housing and Shaft.
 - i. When mounting the Riptide 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.



🛆 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.

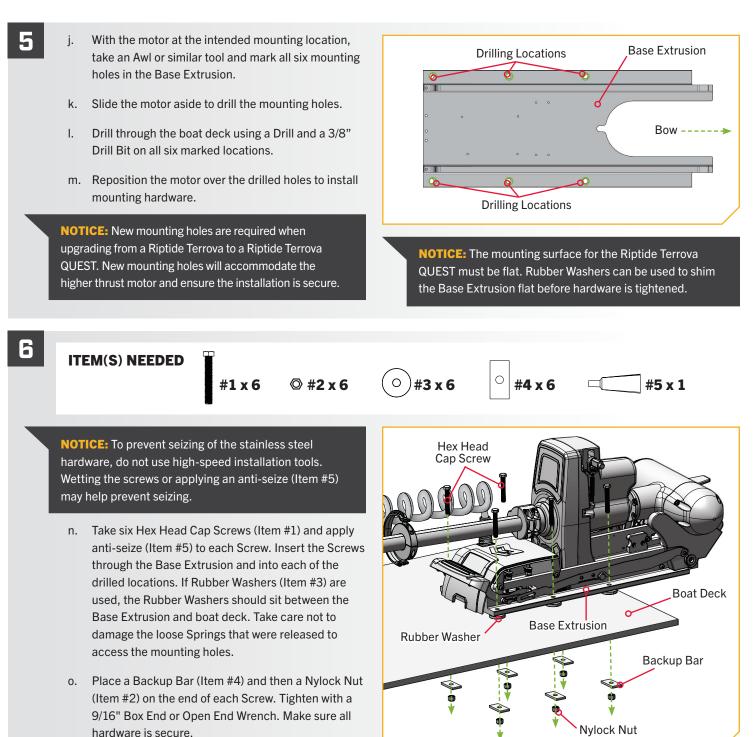


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INSTALLING THE RIPTIDE TERROVA QUEST



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.

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INSTALLING TH

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With the m n. the Spring nose Pliers Spring. Re hooking it end of the top down. reattachin and left sic

When maneuvering each spring, carefully nanole 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.
- Reinstall the four Sideplate Screws using a #3 r. 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.

Hole in Side Rail

Needle-Nose Pliers

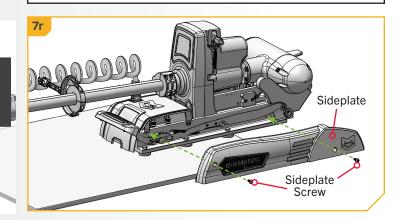
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Spring

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▲ 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.



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:

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 /	Max Circuit Breaker			Wire Extension Length				
Model	Amp Draw	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.

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

BATTERY & WIRING INSTALLATION

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SELECTING THE CORRECT BATTERIES

QUEST series motors will operate with any deep cycle marine 12, 24 or 36-volt battery/batteries and have been optimized for use with LiFePO₄ lithium-ion battery cells. Lithium-ion batteries maintain higher voltages for more extended periods than lead-acid batteries and will provide the best performance in powering the trolling motor.

QUEST series trolling motors may also be powered with leadacid (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

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		

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.

<u>∧ CAUTION</u>

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.

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.

CONNECTING THE BATTERIES IN SERIES

> 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

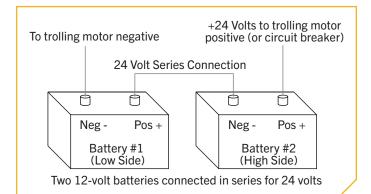
Automatic jump start systems and selector switches tie the negatives of the connected batteries together. Connecting these systems to the "High Side" Battery or "Middle" Battery in the diagrams below and will cause significant damage to your trolling motor and electronics. The only trolling motor battery 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").
- Connect a connector cable to the positive (+) terminal of battery 1 and to the negative (-) terminal of battery 2.
- Connect positive (+) red motor lead to positive (+) terminal on battery 2.
- 4. Connect negative () black motor lead to negative () terminal of battery 1.



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.

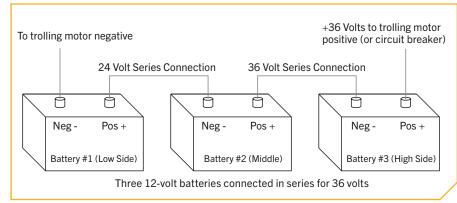
- For safety reasons, disconnect the motor from the battery or batteries when the motor is not in use or while the battery/batteries are being charged.
- Improper wiring of 24/36 volt systems could cause battery explosion.
- Keep leadwire wing nut connections tight and solid to battery terminals.
- Locate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

CONNECTING THE BATTERIES IN SERIES

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.



▲ 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

COMPLETING THE RIPTIDE TERROVA QUEST INSTALLATION

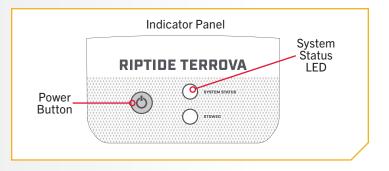
The Riptide Terrova QUEST is an advanced trolling motor. To maximize its performance, mechanical and electrical systems should be set and calibrated to fit every user's installation. This portion of the installation will cover how to verify power, install the Bow-mount Stabilizer, and more. The installation will conclude with connecting Accessory Cables and setting motor preferences for ease of use. Minn Kota recommends connecting the trolling motor to the One-Boat Network app to assist in these steps. Find more information in the One-Boat Network App document included with the trolling motor or the One-Boat Network Owner's Manual found online at minnkota.johnsonoutdoors.com.

COMPLETING THE INSTALLATION >

> Verifying Power

Each time the trolling motor is powered "on," the control board will auto-detect the power supplied from the battery system and adjust the thrust output based on a 24V or 36V battery system. To verify power to the trolling motor, connect the Riptide Terrova QUEST to power. At specific points in the installation, power will be disconnected or turned "off" to ensure a safe environment for installation.

- Locate the Indicator Panel at the front of the Mount. a. Power on the trolling motor by pressing the Power (button on the Indicator Panel. When the trolling motor is on, the System Status 💭 LED will be blue.
 - b. To turn the motor "off," press and release the Power button. When the Motor is powered off, the System Status CED will not be illuminated.



Installing the Bow-Mount Stabilizer

Riptide Terrova QUEST motors with a 72", 87" or 100" shaft length come with an MKA-60 Bow-Mount Stabilizer Kit (Item #9). This accessory stabilizes the shaft and control head when the motor is stowed for transport. Motors with shaft lengths under 72" may purchase the MKA-60 separately as an optional accessory (1862060). For instructions on installing the MKA-60 to the Riptide Terrova QUEST, refer to the document provided with the Bow-Mount Stabilizer Kit.

POWERING ON THE WIRELESS REMOTE

> Powering on the Wireless Remote





- Power on the trolling motor. a.
- b. To turn on the Wireless Remote (Item #8), press and hold the Power button on the side of the Remote.
- c. A message will appear on the display screen. Read the disclaimer, then press the Steer Right button to select "I Agree."
- d. The content on the display screen will populate. Remote functions to manually control the motor are now active, including Speed Up -, Speed Down Steer Left 3, Steer Right 4, and Prop On/Off.
- e. When the Advanced GPS Navigation system has obtained a minimum GPS signal strength of one bar, all remaining functions will become available.

NOTICE: Attaching the Lanyard (Item #7) to the Wireless Remote is optional.



NOTICE: The Wireless Remote comes from the factory paired to the Riptide Terrova QUEST.

NOTICE: A Remote Cradle accessory (1866675) can be purchased for mounting the Wireless Remote or attaching the Remote to a belt clip.

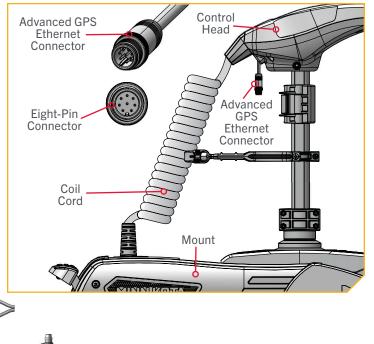
IDENTIFYING TROLLING MOTOR FEATURES AND THEIR ASSOCIATED CABLES

IDENTIFYING TROLLING MOTOR FEATURES AND THEIR ASSOCIATED CABLES Feature & Cable Identification

The Riptide Terrova QUEST is pre-installed with Advanced GPS Navigation - including the ability to connect via Ethernet to a Humminbird fish finder. 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. See the "Advanced GPS Navigation" and "Securing the Ethernet Cable" sections of this document for details on how to install the Advanced GPS Ethernet Connector to a Humminbird fish finder.





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FEATURE & CABLE MANAGEMENT

Feature & Cable Management

ADVANCED GPS NAVIGATION >

Your Minn Kota trolling motor and Humminbird fish finder communicate with each other to change the way you fish. Advanced GPS Navigation offers a large array of features including controlling speed, steering, Spot-Lock, and the ability to record and retrace paths on the water, all at your fingertips. To learn more about the GPS capabilities available with your new motor, please refer to the Advanced GPS Navigation Owner's Manual by visiting minnkota.johnsonoutdoors.com.

The Wireless Remote and GPS controller make up the Advanced GPS Navigation system. A Wireless Remote comes paired to the controller from the factory. The GPS controller contains a very sensitive compass and is where all GPS satellite and remote signals are received. The GPS controller is located in the trolling motor Control Head and may be connected to a fish finder from a connection cable that exits the Control Head. If the Advanced GPS Navigation system will be used with a fish finder, the Ethernet link between the trolling motor and the fish finder should be connected.

Considerations for Connecting and Routing Advanced GPS Navigation

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 will need to be attached to the Advanced GPS Ethernet Connector below the Control Head. Consider the distance between the trolling motor and the fish finder to determine how to complete the Ethernet connection.

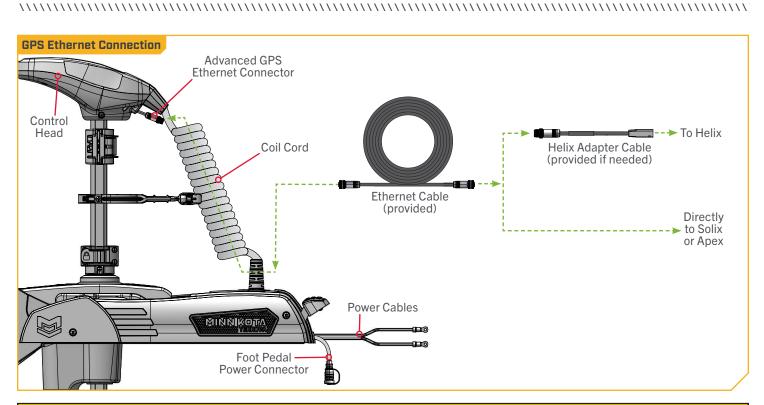
ETHERNET CABLES - Minn Kota provides one 30 ft Ethernet cable (AS EC 30E - 30' Ethernet Cable - 720073-4) with every trolling motor equipped with Advanced GPS Navigation. The 30 ft Ethernet cable will accommodate a standard Ethernet connection for most installations to a Humminbird fish finder and is "Apex and Solix Ready." If the distance between the trolling motor and Humminbird fish finder is relatively small and a shorter cable is preferred, alternate cable lengths are available from humminbird.johnsonoutdoors.com. These options include:

- 10 ft (AS EC 10E 10' Ethernet Cable 720073-2)
- 15 ft (AS EC 15E 15' Ethernet Cable 720073-5)
- 20 ft (AS EC 20E 20' Ethernet Cable 720073-3)

Every length of Ethernet cable plugs directly into a Solix or Apex or directly into a Helix Adapter Cable.

HUMMINBIRD HELIX ADAPTER CABLES - Minn Kota provides one Helix Adapter Cable (AS EC QDE - Ethernet Adapter Cable -720074-1) with every trolling motor equipped with Advanced GPS Navigation. If the Ethernet connection is being made between the trolling motor and any Humminbird® Helix fish finder, the Helix Adapter Cable should be used. The Helix Adapter Cable directly connects the Ethernet Cable to a Helix fish finder.

ETHERNET EXTENSION CABLES - If the 30 ft Ethernet cable provided with your trolling motor with Advanced GPS Navigation is not long enough to reach the fish finder, an Ethernet Extension cable should be used. The Ethernet Extension cable is available from humminbird.johnsonoutdoors.com and is available in a 30 ft length (AS ECX 30E - 30' Ethernet Extension Cable - 760025-1). The Ethernet Extension Cable will plug directly into any length of Ethernet cable.



CAUTION <u>/</u>

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.

NOTICE: Minn Kota recommends routing the Ethernet Cable or Ethernet Extension Cable through the Coil Cord when making the Ethernet connection. The cable will be installed from the Mount to the Control Head through the Coil Cord. Bypassing the Coil Cord when routing the Ethernet Cable or Ethernet Extension Cable is not recommended.

1

ITEM(S) NEEDED #14 x 1

NOTICE: Your fish finder should be turned off until this procedure is complete.

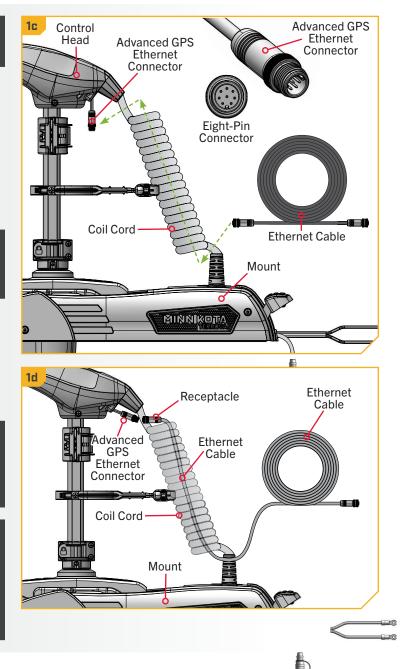
- a. Place the motor in the deployed position.
- b. Locate the Eight-Pin Advanced GPS Ethernet Connector below the Control Head.
- c. Identify the keyed Receptacle on the Ethernet Cable (Item #14). It is keyed to fit with the Eight-Pin Advanced GPS Ethernet Connector below the Control Head.

NOTICE: The Ethernet Cable has a Receptacle for the Advanced GPS Ethernet Connector on both ends. Either end may be connected.

d. Run the Receptacle on the Ethernet Cable up through the center of the Coil Cord. The Receptacle should exit from the top of the Coil Cord, with the other end exiting from the bottom of the Coil Cord near the Mount. The Ethernet Cable should float freely inside the Coil Cord.

NOTICE: The 30' Ethernet Cable (AS EC 30E - 30' Ethernet Cable - 720073-4) is provided. If a different length is preferred, alternate cable lengths are available from humminbird.johnsonoutdoors.com.

NOTICE: A 30' Ethernet Extension Cable (AS ECX 30E - 30' Ethernet Extension Cable - 760025-1) is available from humminbird.johnsonoutdoors.com and should be used if the standard 30' Ethernet Cable provided with the trolling motor is not long enough to reach the fish finder.



To install the Ethernet Cable, align the pins on e. the Advanced GPS Ethernet Connector with the Receptacle on the Ethernet Cable. Notice the keyed connectors. Tighten the Collar from the Ethernet Cable to secure the connection.

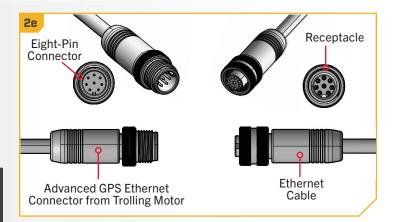
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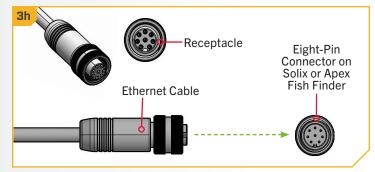
3

f. The Ethernet Cable will plug directly into a Solix or Helix Fish Finder or directly into a Helix Adapter Cable.

NOTICE: The 30' Ethernet Cable (AS EC 30E - 30' Ethernet Cable - 720073-4) is provided. If an alternate length is preferred, alternate cable lengths are available from humminbird.johnsonoutdoors.com.

- g. If installing directly to a Solix or Apex, the connector will be flat on the back of the fish finder display.
 - h. Align the Receptacle on the Ethernet Cable with the Eight-Pin Connector on the Apex or Solix fish finder. Notice the keyed connectors. Tighten the Collar from the Ethernet Cable to secure the connection. Once directly installed to the Solix or Apex, the connection is complete.





ITEM(S) NEEDED

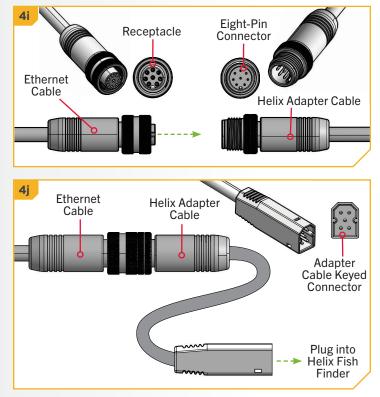
4

🗔 #15 x 1

If installing directly to a Helix Adapter Cable i. (Item #15), align the Receptacle on the Ethernet Cable with the Eight-Pin Connector on the Helix Adapter Cable provided. Notice the keyed connectors. Tighten the Collar from the Ethernet Cable to secure the connection.

NOTICE: Minn Kota provides one Helix Adapter Cable (AS EC QDE - Ethernet Adapter Cable -720074-1) with every trolling motor equipped with Advanced GPS Navigation.

j. The Helix Adapter Cable directly connects the Ethernet Cable to a Helix fish finder. Locate the Helix Adapter Cable Keyed Connector on the back of the fish finder. Plug the Helix Adapter Cable into the back of the Helix fish finder to complete the connection.



SECURING THE ETHERNET CABLE

> Securing the Ethernet Cable

The Ethernet Cable must be routed and all connections secured before completing the installation in this section. To review how the Ethernet Cable should be routed and connected, review the "Advanced GPS Navigation" section of this document.

#16 x 1

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 tie as it may damage the wire.

ITEM(S) NEEDED

- a. Place the motor in the stowed position.
- b. Confirm that the Ethernet Cable is connected to an output device as desired. With the motor stowed, locate the Advanced GPS Ethernet Connector below the Control Head.

D

c. Take a Cable Tie (Item #16) and secure the Ethernet Cable to the second coil of the Coil Cord. The Cable Tie should wrap around the Ethernet Cable and Coil Cord. Secure the Cable Tie until it is fingertip tight. Do not over-tighten as it may damage the Ethernet Cable.

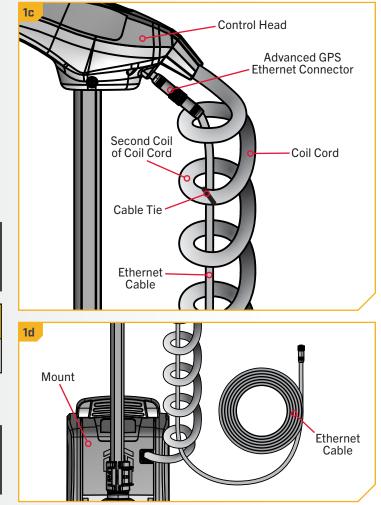
NOTICE: The Ethernet Cable should be secured to the second coil of the Coil Cord. Securing the Ethernet Cable to any other coil may damage the Cable.

\land CAUTION

Do not over-tighten the Cable Tie as it may damage the wires.

d. Bundle any excess cable near the mount in a loose loop no less than 4" in diameter.

NOTICE: Minn Kota recommends routing the Ethernet Cable through the Coil Cord. Bypassing the Coil Cord when routing the Ethernet Cable is not recommended.



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INSTALLING THE PROP

> Installing the Prop

ITEM(S) NEEDED



(O) **#11 x 1** ♥ #12 x 1 #13 x 1

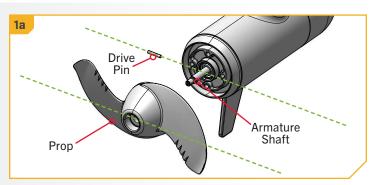
▲ CAUTION

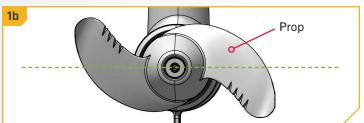
Disconnect the motor from the battery before beginning any prop work or maintenance.

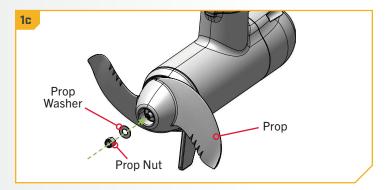
- a. Take the Drive Pin (Item #13) and slide it through the Hole in the Armature Shaft. Position the Drive Pin horizontally by grasping the Armature Shaft and rotating it with the Drive Pin in place.
- b. Align the Prop (Item #10) so it is horizontal and parallel with the Drive Pin. Slide the Prop onto 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.







ONE-BOAT NETWORK

OPTIMIZING THE PERFORMANCE OF THE RIPTIDE TERROVA OUEST WITH THE WIRELESS REMOTE OR ONE-BOAT NETWORK APP

Minn Kota® and Humminbird® have joined forces to bring you the One-Boat Network, including the latest Advanced GPS Navigation Wireless Remote and the One-Boat Network app. The Wireless Remote comes from the factory paired to the trolling motor. To learn more about Wireless Remote features, refer to the Wireless Remote Owner's Manual online at minnkota.johnsonoutdoors.com.

To get the most from your One-Boat Network, we encourage you to download the One-Boat Network app onto your smart device. The One-Boat Network[®] app is a free iOS and Android application that you can download to a mobile device, providing unparalleled control over all of your One-Boat Network connected products. Minn Kota recommends connecting the trolling motor to the OBN app to assist in these steps. For instructions on pairing the OBN app to the trolling motor, refer to the OBN Quick Start Guide included with the motor. For more information on the OBN app, refer to the One-Boat Network Owner's Manual online at minnkota.johnsonoutdoors.com.

Completing the installation of the Riptide Terrova QUEST through the Wireless Remote or OBN app should be done following the Prop installation. Ensure that the trolling motor is connected to a power source before adjusting One-Boat Network settings.

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.

NOTICE: Ensure that the trolling motor is connected to a power source before adjusting One-Boat Network settings.

NOTICE: If the Wireless Remote is lost or becomes nonfunctioning during navigation, and the One-Boat Network app is unavailable, press the Stow Deploy Lever at the front of the Mount to cancel all active navigation and turn off the Prop.





ONE-BOAT NETWORK ADJUSTMENTS

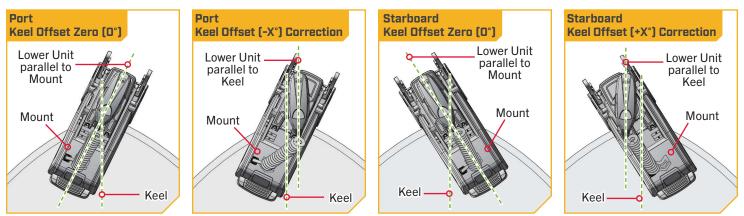
ONE-BOAT NETWORK ADJUSTMENTS >

KEEL OFFSET

The Riptide Terrova QUEST comes from the factory with the Lower Unit parallel to the Mount. When the Lower Unit is parallel to the Mount, the Keel Offset is zero. In an ideal installation, the Lower Unit will be parallel to the Keel; however, the Mount is rarely installed to be perfectly inline with the Keel, therefore the Lower Unit will not be parallel with the Keel. Nearly all installations will have some variation in mounting position to either the Port or Starboard side

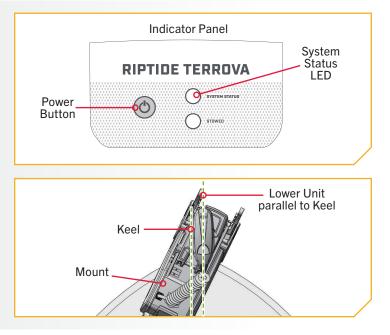
NOTICE: When the motor is installed from the factory, the Keel Offset is 0 degrees. When adjusting the Keel Offset, any position towards Port will create a Keel Offset of a negative angle. Any position towards Starboard will create a positive angle.

of the boat. The Keel Offset feature records the position of the Lower Unit when it is parallel to the Keel based on the Mount being offset from the Keel. Before adjusting the Keel Offset, complete all installation steps. This includes mounting the trolling motor to the boat and installing power and accessory cables. The Keel Offset can be recorded through the Wireless Remote or One-Boat Network App.



> Setting the Keel Offset with the Wireless Remote

- Power on the trolling motor by pressing the Power a. (d) button on the Indicator Panel. When the trolling motor is on, the System Status Q LED will be blue.
- b. With either the Wireless Remote or One-Boat Network (OBN) app on a paired mobile device, steer the motor so that the control head and lower unit are parallel to the Keel.



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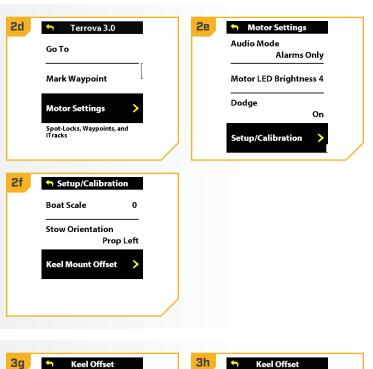
KEEL OFFSET

2

3

Press the Menu 💽 button on the Wireless Remote. с.

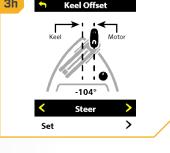
- d. Use the Speed Up 🖘 or Speed Down 🦚 button to find the Motor Settings menu. Use the Steer Right button to select Motor Settings.
- e. In the Motor Settings Menu, use the Speed Up or Speed Down < button to find</p> Setup/Calibration.
- f. In the Setup/Calibration menu, use the Speed Up or Speed Down < button to find Keel</p> Mount Offset. Use the Steer Right **S** button to select Keel Mount Offset.



- Review all safety warnings. Use the Steer Right g. button to select Start and begin the process.
- h. Use the Steer Left 3 or Steer Right 5 button to point the motor forward and parallel to the keel.
- i. When satisfied with the placement of the trolling button to scroll to Set. Use the Steer Right § button to select Set. The degree of offset is displayed at the bottom of the Dashboard.



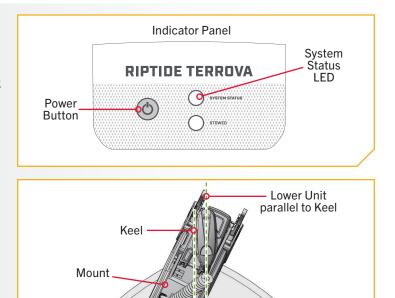
-104 Steer



KEEL OFFSET

Setting the Keel Offset with the One-Boat Network App

- a. Power on the trolling motor by pressing the Power (button on the Indicator Panel. When the trolling motor is on, the System Status 💭 LED will be blue.
 - b. With either the Wireless Remote or One-Boat Network (OBN) app on a paired mobile device, steer the motor so that the control head and lower unit are parallel to the Keel.



- Open the One-Boat Network (OBN) app on the с. mobile device. Make sure the mobile device is paired with the trolling motor.
- d. From the OBN home screen, tap the Motor menu. The Motor menu opens the Motor app home screen.
- e. Before the Motor app home screen will open, tap Agree on the on-screen prompt.

NOTICE: The on-screen prompt will only display once each time the app is launched. If the prompt has displayed, the Motor app home screen appears.

f. On the Motor app home screen, locate the Motor Setting button in the upper right-hand corner and tap it.

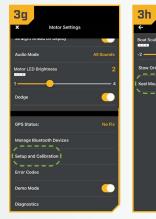


KEEL OFFSET

g. In the Motor Settings menu, find and tap Setup and Calibration.

3

- h. In Setup and Calibration, find and tap Keel Mount Offset.
- i. Review all safety warnings. Follow the prompts in the One-Boat Network app. If the placement of the trolling motor is pointing forward and parallel to the keel, tap Set. The degree of offset will show at the bottom of the app Display.
- If the trolling motor needs to be adjusted, locate j. the Return button on the top-left corner of the app screen. Tap the Return button three times until the Motor app home screen displays.
 - k. Use the Steer Right > and Steer Left < buttons to point the motor forward and parallel to the keel.
 - I. When satisfied with the placement of the trolling motor, locate the Motor Settings button in the top-right corner and tap it.
 - m. In the Motor Settings menu, find and tap Setup and Calibration.
 - n. In Setup and Calibration, find and tap Keel Mount Offset. If the placement of the trolling motor is pointing forward and parallel to the keel, tap Set.
 - o. The degree of offset shows at the bottom of the app Display. Tap Return to close the Keel Mount Offset and return to the home screen.



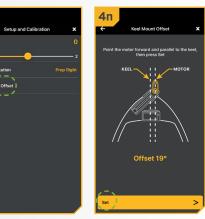












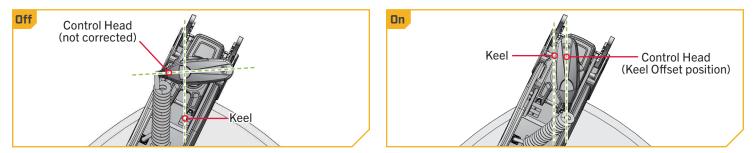


STRAIGHT ON DEPLOY

STRAIGHT ON DEPLOY

Minn Kota recommends setting the Keel Offset when the position of the Lower Unit is parallel with the Keel. Save the Keel Offset before exploring the Straight on Deploy feature. Straight on Deploy uses the position recorded in Keel Offset to know where to position the Lower Unit to be parallel with the Keel.

When Straight on Deploy is engaged, the lower unit will automatically rotate to the Keel Offset position when deployed. By default, the Lower Unit will be parallel to the Keel when the Mount is parallel to the Keel. If the Keel Offset was programmed to another angle, the Straight on Deploy feature will correct the position to match the Keel Offset angle when turned "on." If Straight on Deploy is turned "off." the trolling motor will not correct the position in any direction.



> To Toggle Straight on Deploy with the Wireless Remote

- With the motor on, press the Menu 💽 button on a. the Wireless Remote.
- b. Use the Speed Up 🖘 or Speed Down 🥌 button to find the Motor Settings menu. Use the Steer Right **S** button to select Motor Settings.
- c. In the Motor Settings Menu, use the Speed Up or Speed Down button to find Straight on Deploy.
- d. By default, the Straight on Deploy is toggled "off."
- e. Use the Steer Right button to toggle between "on" and "off."

1b 🕤 Terrova 3.0	10 Motor Settings
Go To	Max Thrust 🛛 🗹
Mark Waypoint	One-Boat Network
Motor Settings	Prop Auto On Off[
Spot-Locks, Waypoints, and iTracks	Straight on Deploy Off>

STRAIGHT ON DEPLOY

> To Toggle Straight on Deploy with the One-Boat Network App

- a. Open the One-Boat Network (OBN) app on a mobile device. Make sure the mobile device is paired with the trolling motor and that the motor is powered "on."
 - b. From the OBN home screen, tap the Motor menu. The Motor menu opens the Motor app home screen.
 - c. Before the Motor app home screen will open, tap Agree on the on-screen prompt.

NOTICE: The on-screen prompt will only display once each time the app is launched. If the prompt has displayed, the Motor app home screen appears.

- d. On the Motor app home screen, locate the Motor Setting button in the upper right-hand corner and tap it.
- In the Motor Settings menu, find the Straight Ahead e. on Deploy toggle. Tap to turn the toggle "on" and "off." When highlighted yellow the toggle is "on."





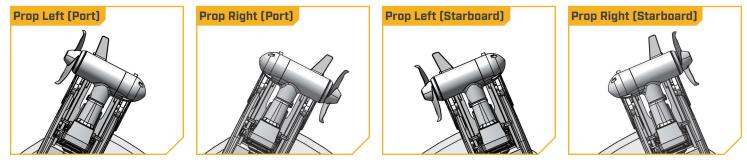
STOW ORIENTATION

STOW ORIENTATION

The Stow Orientation is a term used to describe the lower unit and Prop position when the motor is stowed. The lower unit will automatically rotate into the Stow Orientation when stowing the motor. The Stow Orientation can be set to Prop Left or Prop Right through the Wireless Remote or One-Boat Network app. The factory default setting for the lower unit is Prop Left. Adjusting

NOTICE: If the Stow Orientation is set to Prop Right, the Depth Collar must be rotated on the Shaft to improve accessibility. See the "Rotating the Depth Collar" section for instructions.

the Stow Orientation allows the installation to be customized to fit boat positioning for either a Port or Starboard installation and to accommodate fishing or trailering applications.



> Setting the Stow Orientation with the Wireless Remote

With the trolling motor powered on, press the a. 👆 Motor Settings 1b 🕤 🛛 Terrova 3.0 1c Menu should be the Wireless Remote. Audio Mode Go To Alarms Only b. Use the Speed Up 🖘 or Speed Down 🥌 Mark Waypoint **Motor LED Brightness 4** button to find the Motor Settings menu. Use the Steer Right **b**utton to select Motor Settings. Dodae Motor Settings On Spot-Locks, Waypoints, and iTracks c. In the Motor Settings Menu, use the Speed Up Setup/Calibration or Speed Down button to find Setup/Calibration. Use Steer Right 2 to open the Setup/Calibration menu. d. Once in the Setup/Calibration menu, use the 2d Setup/Calibration 2e Stow Orientation Speed Up 🖘 or Speed Down 📣 button to Boat Scale Prop Left **()** find Stow Orientation. Use Steer Right 2 to open the Stow Orientation menu. Stow Orientation Ο **Prop Right** Prop Le

Keel Mount Offset

e. In the Stow Orientation menu, use the Speed Down or Speed Up button to scroll between Prop Left and Prop Right. Use the Steer Right button to select the desired stow orientation.

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STOW ORIENTATION

> Setting the Stow Orientation with the One-Boat Network App

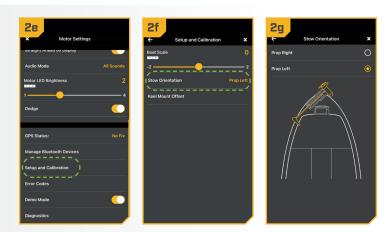
- a. Open the One-Boat Network (OBN) app on a mobile device. Make sure the mobile device is paired with the trolling motor and that the motor is powered "on."
- b. From the OBN home screen, tap the Motor menu. The Motor menu opens the Motor app home screen.
- Before the Motor app home screen will open, tap с. Agree on the on-screen prompt.

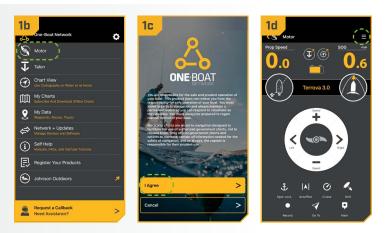
NOTICE: The on-screen prompt will only display once each time the app is launched. If the prompt has displayed, the Motor app home screen appears.

- d. On the Motor app home screen, locate the Motor Setting button in the upper right-hand corner and tap it.
- e. In the Motor Settings menu, find and tap Setup and Calibration.
- f. In Setup and Calibration, find and tap Stow Orientation.

2

g. Set the feature to Prop Right or Prop Left.





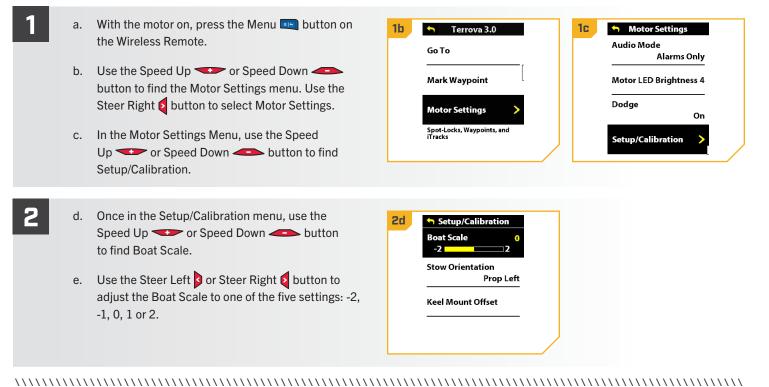
BOAT SCALE

BOAT SCALE

Trolling motor performance can be impacted by factors including, but not limited to, wind, water conditions, boat specifications, battery health, wiring, etc. Boat Scale provides a method of adjusting how the trolling motor will perform to account for these and other variables. The Riptide Terrova QUEST comes from the factory with Boat Scale set to zero. Boat Scale can be adjusted up (+2) or down (-2) to increase or decrease how the motor control software applies power while using a navigation mode like Spot-Lock.

An example showing the need to reduce Boat Scale would be while using Spot-Lock and the motor is over-correcting or making frequent adjustments. In this case, try reducing Boat Scale -1 to reduce this behavior. If the behavior continues, reduce Boat Scale to -2. An example showing the need to increase Boat Scale while using Spot-Lock would be the motor is drifting away from its target location frequently or needs help to make corrections. Try increasing Boat Scale to +1 to help improve the trolling motor accuracy in this case. If the behavior continues, increase Boat Scale to +2.

Adjusting Boat Scale with the Wireless Remote



BOAT SCALE

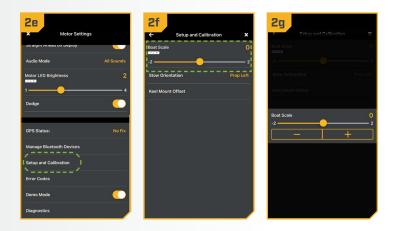
> Adjusting Boat Scale with the One-Boat Network App

- a. Open the One-Boat Network (OBN) app on a mobile device. Make sure the mobile device is paired with the trolling motor and that the motor is powered "on."
 - b. From the OBN home screen, tap the Motor menu. The Motor menu opens the Motor app home screen.
 - c. Before the Motor app home screen will open, tap Agree on the on-screen prompt.

NOTICE: The on-screen prompt will only display once each time the app is launched. If the prompt has displayed, the Motor app home screen appears.

- d. On the Motor app home screen, locate the Motor Setting button in the upper right-hand corner and tap it.
- In the Motor Settings menu, find and tap Setup e. and Calibration.
 - In Setup and Calibration, find and tap Boat Scale. f.
 - Set the feature to increase or decrease Boat Scale. g.





ONE-BOAT NETWORK BUTTONS

Minn Kota trolling motors equipped with Advanced GPS Navigation are compatible with devices enabled with the One-Boat Network (OBN), such as the Wireless Remote. OBN functions can be enabled and disabled through four customizable OBN buttons on the Wireless

Remote. The function of the OBN buttons can be customized based on user preference to enhance operation of the OBN product.

MINN KOTA 🖮 !! .**! .!** 🗩 Terrova 3.0

TEMP

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One-Boat Network Side Button

DEPTH

4

PROP

Drift

Mode

One-Boat Network Buttons

CUSTOMIZING THE ONE-BOAT NETWORK BUTTONS ON THE WIRELESS REMOTE

ONE-BOAT NETWORK BUTTONS >

5 **O**.o ≣∣€

One-Boat Network Default Buttons				
12	Drift Mode	326	Record iTrack	
2 <u>2</u> 2	GoTo		Mark a Waypoint	

GoTo

Record

iTrack

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CUSTOMIZING THE ONE-BOAT NETWORK BUTTONS ON THE WIRELESS REMOTE

One-Boat Network functions can be enabled and disabled through four One-Boat Network buttons on the Wireless Remote. The One-Boat Network buttons can be customized to control the following functions, depending on your setup:

Function	lcon	Description
Drift Mode	R	Drift mode is the default function for OBN Button 1. Press once to engage Drift Mode. Press a second time to Adjust Course.
Go To	4	Go To is the default for the OBN Button 2. Press once to open the Go To Menu. The Go To options are Spot-Locks, Waypoints, iTracks and Drift.
Record iTrack	စိုစ်	Record iTrack is the default function for OBN Button 3. Press once to start recording an iTrack. Press a second time to save the iTrack.
Waypoint	又	Mark Waypoint is the default function for the OBN Side Button. Press once to save a Waypoint.
Max Speed	¢¢	Max Speed must first be customized to one of the OBN buttons. Double press to engage Max Speed. Single press to return to the previous speed.
Talon/Raptor	ļļ	The shallow water anchor function must first be customized on one of the OBN buttons. The shallow water anchor function will display as Talon or Raptor depending on your configuration. Double press to deploy the anchor. Press once to pause or stow the anchor.

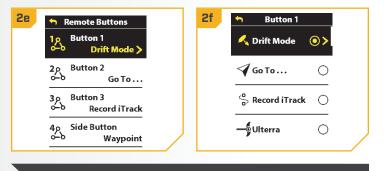
CUSTOMIZING THE ONE-BOAT NETWORK BUTTONS ON THE WIRELESS REMOTE

Customize the One-Boat Network Buttons on the Wireless Remote

- a. On the Wireless Remote, press the Menu 📼 button to open the Motor Menu.
- b. In the Motor Menu, use the Speed Down or menu. Use the Steer Right **button to select** Motor Settings.
- c. In the Motor Settings menu, use the Speed Down or Speed Up button to find One-Boat Network. Use the Steer Right 2 button to select One-Boat Network.
- d. In the One-Boat Network Menu, use the Speed Down - or Speed Up - button to find Remote Buttons. Use the Steer Right **b**utton to select Remote Buttons.
- 1b **5** 1c Motor Settings Autopilot Mode Go To Locked Course Arrival Mode Mark Waypoint Prop Off Motor Settings Eco Mode Spot-Locks, Waypoints, and **One-Boat Network** 1d <table-cell-rows> One-Boat Network Customize the One-Boat Network Buttons on the **Remote Buttons** Customize the One-Boat Network Button on your Foot Pedal. Foot Pedal AutoPilot
- Use the Speed Down or Speed Up button to highlight the OBN button to customize. There are four options: Button 1, Button 2, Button 3 or Side Button. Press the Steer Right & button to make the selection.
- f. Use the Speed Down - or Speed Up button to scroll through the options. Use the Steer Right **button** to select the function.

NOTICE: The radio button next to the desired function will be selected when the Steer Right **5** button is used to customize the function. The function options listed are based on the trolling motor and other devices in the Advanced GPS Navigation network.

Press and hold the Menu 💷 button to close and g. return to the Home Screen.

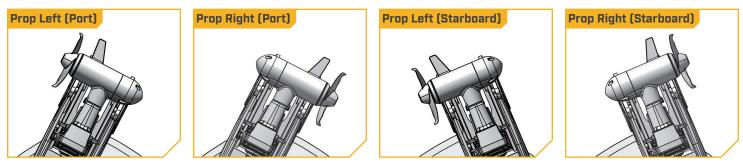


NOTICE: For quick customization, press and hold the OBN button you want to customize to quickly bring up the customization screen.

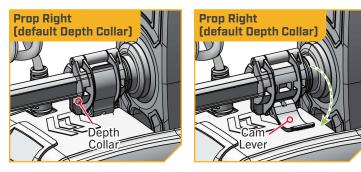
ADJUSTMENTS >

ROTATING THE DEPTH COLLAR

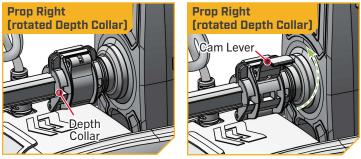
The Depth Collar is installed from the factory so that the Cam Lever opens in an upward motion when the Stow Orientation of the lower unit is Prop Left. The factory default Stow Orientation is Prop Left. The Stow Orientation can be changed to Prop Right using the wireless remote or One-Boat Network app. For more information about Stow Orientation, refer to the "One-Boat Network" section of this manual.



A Prop Right orientation turns the lower unit and shaft when stowed, causing the Depth Collar to open downward. This reduces its range of motion and creates an obstruction when placing the Depth Collar for a secure stow.



If the Stow Orientation is changed to Prop Right, the Depth Collar must be rotated on the shaft to improve accessibility. The Depth Collar is positioned correctly on the Shaft when the Cam Lever opens upward when the motor is stowed.



TOOLS AND RESOURCES REQUIRED >

#3 Phillips Screwdriver

INSTALLATION >

- a. With the Stow Orientation the trolling motor. Ensure resting securely on the Fa the STOWED On th illuminated orange.
- b. Release the Depth Collar I
- c. Locate the single Screw of Depth Collar. This Screws
- d. Using a #3 Phillips Screwd Lever open, remove the Sc While loosening the Screw the Depth Collar to access sits between the Depth Co

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Lever.

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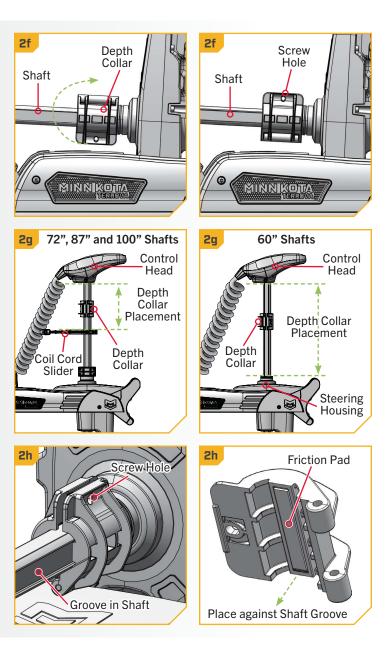
by the Screw. Take the Spring and place it onto the Screw, then set both aside for reassembly later.

e. Remove the Cam Lever from the Depth Collar and set it aside. There is a Pin contained in the Cam Lever. If the Pin slides out, place it back in before reassembly.

1a Depth Collar am ever Fall Away Ramps Depth Collar Spring Screw T 1e Cam Pin Lever d

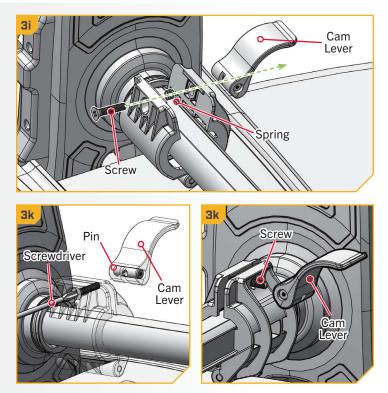
f. Remove the Depth Collar from the Shaft. Turn the Depth Collar 180° so that the screw hole in the Depth Collar sits above the Shaft.

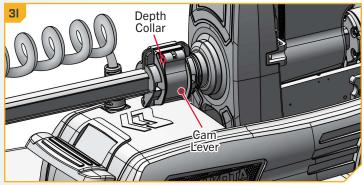
- Place the Depth Collar on the Shaft in the new g. position. For motors with a 72", 87" or 100" shaft, the Depth Collar should sit between the Control Head and Coil Cord Slider. On motors with a 60" shaft, the Depth Collar can sit anywhere between the Control Head and Steering Housing.
- h. Pay attention to the shape of the Depth Collar halves and ensure that they close correctly around the Shaft. The Friction Pad inside the Depth Collar should sit against the groove of the Shaft.



3

- With the Depth Collar in position on the Shaft, take the Screw and Spring that were removed earlier in the installation. Hold the Spring inside the Depth Collar against the screw hole. The Spring should sit between the Depth Collar halves. Insert the Screw into the Depth Collar so that it passes through the Spring and out the second half of the Depth Collar.
 - j. Take the Cam Lever and ensure that the Pin is inside. Hold the Cam Lever in position against the Depth Collar, with the threaded hole in the Pin positioned towards the Screw. Pay attention to the shape of the Cam Lever and hold it so it curves over to wrap around the Depth Collar. When positioned correctly, the curve in the Cam Lever should follow the shape of the Depth Collar when closed. Attaching the Cam Lever upside down will prevent the Depth Collar from closing.
 - k. Using a #3 Phillips Screwdriver, hold the Screw steady while aligning the Pin in the Cam Lever. It may be necessary to rotate the Pin inside the Cam Lever so that the threaded hole aligns with the Screw. Begin tightening the Screw so it catches the Pin. When the Screw engages with the Pin, close the Cam Lever to lock the Depth Collar. Finish tightening the Screw to 60 in-lbs.
 - I. Ensure that the Cam Lever is neither too loose nor too tight. If the Cam Lever is too tight, it will be difficult to open or close and the Depth Collar will not move, even when unlocked. If the Cam Lever is too loose, the Depth Collar will not securely hold the Shaft even when locked. If the Depth Collar can be forcibly pushed up or down the Shaft when locked, the Collar is too loose. Recheck the tension of the Screw and tighten or loosen as needed.





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

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RECOMMENDED ACCESSORIES

> ON-BOARD & PORTABLE 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.



> TALON SHALLOW WATER ANCHOR

Talon is the only shallow water anchor with up to 15' of anchoring depth, multiple anchoring modes, and control from the bow, transom, console, remote or mobile device.



BUILT-IN WORK LIGHT

Lets you tie lines and work from the transom any time of day or night. Includes both white and blue LED lights with three brightness settings.

BLUETOOTH[®]

CONNECTIVITY

Lets you control Talon from your

mobile device and easily update it.

Also opens up communication to



UP TO 15' DEEP

Control more water and catch more fish with the first 15' shallow water anchor.

MORE CONTROL OPTIONS

- Control Panel
- Wireless Remote
- Mobile App

ECN 43771

- Wireless Foot Switch
- Humminbird[®] Connectivity
- Advanced GPS Navigation
 System Remote



MINN KOTA ACCESSORIES

other control options.

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

- 60-Amp Circuit Breaker
- Mounting Brackets
- Stabilizer Kits
- Boat Deck Reinforcement Kit
- Battery Connectors
- Battery Boxes
- Quick Connect Plugs



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