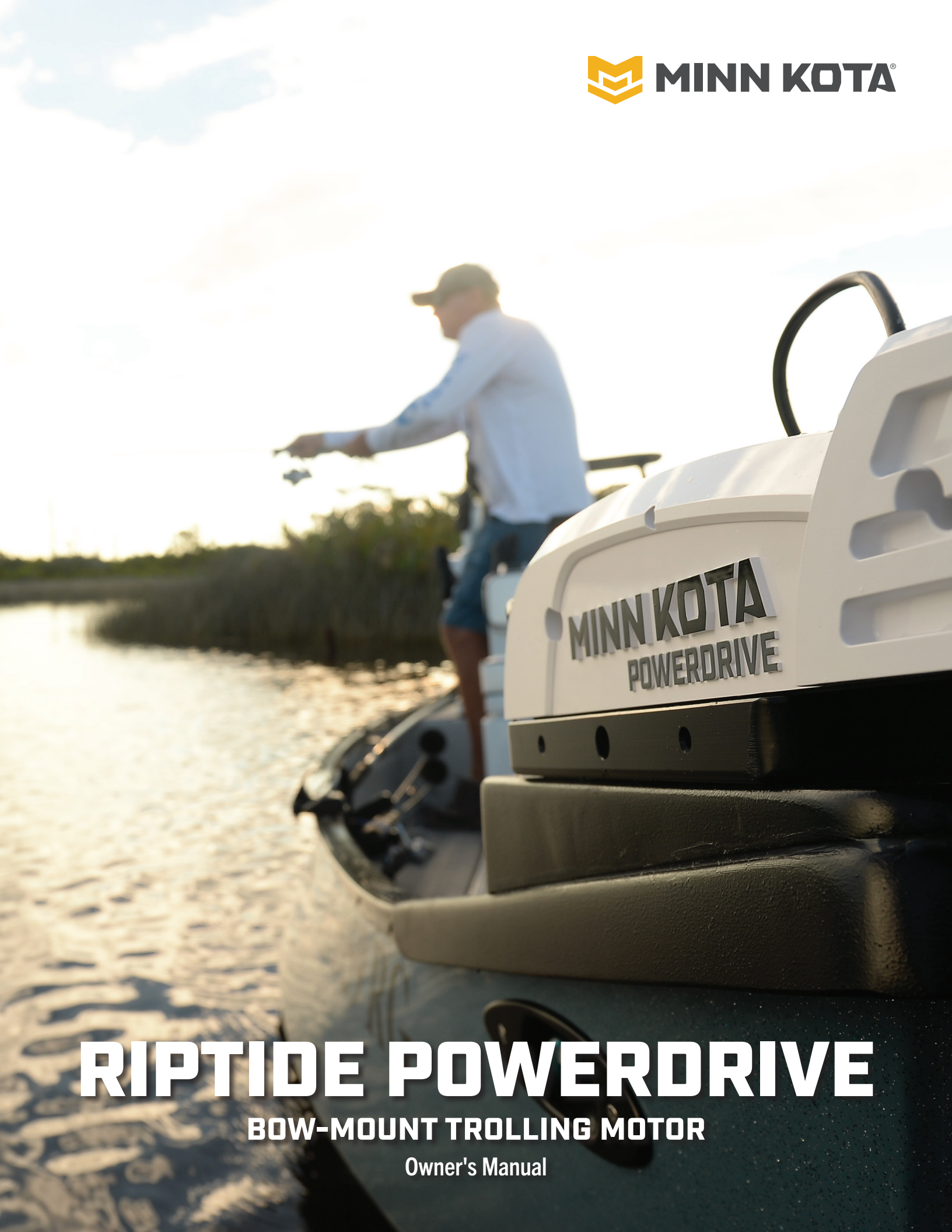
MINN KOTA®




# RIPTIDE POWERDRIVE

## BOW-MOUNT TROLLING MOTOR

Owner's Manual

# 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.

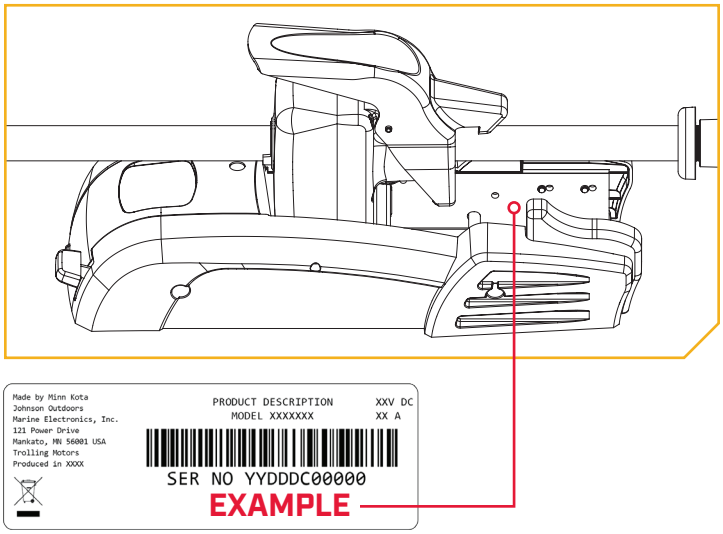
## REGISTRATION

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 products serial number. A duplicate copy of your serial number label has been included which can also be entered in the Minn Kota app for future reference.

**NOTICE:** The serial number on your Riptide PowerDrive is located inside the mount below the motor rests.




## MOTOR INFORMATION (For Consumer Reference Only)

Model Serial Number: _____

Controller 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 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.

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.


©2026 Johnson Outdoors Marine Electronics, Inc.

# TABLE OF CONTENTS


SAFETY CONSIDERATIONS ..... 4
WARRANTY ..... 6
KNOW YOUR BOAT ..... 7
FEATURES ..... 8
INSTALLATION ..... 9
- Installing the Riptide PowerDrive ..... 9
- Ethernet Connection ..... 15
  - Pair a Trolling Motor to a Fish Finder ..... 16
  - Installing a Wired Ethernet Connection ..... 18
- Installing the Prop ..... 21

BATTERY & WIRING INSTALLATION ..... 23
- Boat Rigging & Product Installation ..... 23
- Conductor Gauge and Circuit Breaker Sizing Table ..... 23
- Selecting the Correct Batteries ..... 24
- Additional Considerations ..... 24
- Connecting the Batteries ..... 25
- Connecting the Batteries in a Series ..... 26

MINN KOTA SYSTEM ..... 28
MOTOR WIRING DIAGRAM ..... 28
USING & ADJUSTING THE MOTOR ..... 29
- Powering Up the Trolling Motor ..... 29
- Mount Features ..... 29
- Stowing and Deploying the Motor ..... 30
- Push-to-Test Battery Meter ..... 31
- Advanced GPS Navigation ..... 31
- Adjusting the Depth of the Motor ..... 32
- Adjusting the Latch Collar ..... 33
- Installing an External Transducer ..... 34
- Adjusting the Lower Unit for a Secure Stow ..... 35

SERVICE & MAINTENANCE ..... 36
- Prop Replacement ..... 36
- General Maintenance ..... 37
- Troubleshooting ..... 37
- For Further Troubleshooting and Repair ..... 38

COMPLIANCE STATEMENTS ..... 39
PARTS DIAGRAM & PARTS LIST ..... 41


©2026 Johnson Outdoors Marine Electronics, Inc.

# 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 Prop. 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 Prop. 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 Prop 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.


©2026 Johnson Outdoors Marine Electronics, Inc.

## ⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



1. This product contains a button/coin cell battery. Heed all safety considerations:

   a) Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.

   b) Even used batteries may cause severe injury or death.

   c) Call a local poison control center for treatment information.

   d) The compatible battery type is CR2450.

   e) The nominal battery voltage is 3.0 VDC.

   f) Non-rechargeable batteries are not to be recharged.

   g) Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating of 70 °C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

2. This product contains a replaceable button/coin cell battery. Heed all safety considerations:

   a) Ensure the batteries are installed correctly according to polarity (+ and -).

   b) Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.

   c) Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.

   d) Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

©2026 Johnson Outdoors Marine Electronics, Inc.

# WARRANTY

## MINN KOTA SALTWATER/RIPTIDE TROLLING MOTORS

### Minn Kota Saltwater/Riptide Trolling Motors - Limited Lifetime Warranty on Composite Shaft and Limited Two-Year Warranty on the Entire Product

Johnson Outdoors Marine Electronics, Inc. (“JOME”) extends the following limited warranty to the original retail purchaser only. Warranty coverage is not transferable.

### Minn Kota Limited Two-Year Warranty on the Entire Product

JOME warrants to the original retail purchaser only that the purchaser’s new Minn Kota saltwater trolling motor will be materially free from defects in materials and workmanship appearing within two (2) years after the date of purchase. JOME will (at its option) either repair or replace, free of charge, any parts found by JOME to be defective during the term of this warranty. Such repair, or replacement shall be the sole and exclusive liability of JOME and the sole and exclusive remedy of the purchaser for breach of this warranty.

### Minn Kota Limited Lifetime Warranty on Composite Shaft

JOME warrants to the original retail purchaser only that the composite shaft of the purchaser’s Minn Kota trolling motor will be materially free from defects in materials and workmanship appearing within the original purchaser’s lifetime. JOME will provide a new composite shaft, free of charge, to replace any composite shaft found by JOME to be defective during the term of this warranty. Providing a new composite shaft shall be the sole and exclusive liability of JOME and the sole and exclusive remedy of the purchaser for breach of this warranty; and purchaser shall be responsible for installing, or for the cost of labor to install, any new composite shaft provided by JOME.

## EXCLUSIONS AND LIMITATIONS

This limited warranty does not apply to products that have been used commercially or for rental purposes. This limited warranty does not cover normal wear and tear, blemishes that do not affect the operation of the product, or damage caused by accidents, abuse, alteration, modification, shipping damages, acts of God, negligence of the user or misuse, improper or insufficient care or maintenance. DAMAGE CAUSED BY THE USE OF OTHER REPLACEMENT PARTS NOT MEETING THE DESIGN SPECIFICATIONS OF THE ORIGINAL PARTS WILL NOT BE COVERED BY THIS LIMITED WARRANTY. The cost of normal maintenance or replacement parts which are not in breach of the limited warranty are the responsibility of the purchaser. Prior to using products, the purchaser shall determine the suitability of the products for the intended use and assumes all related risk and liability. Any assistance JOME provides to or procures for the purchaser outside the terms, limitations or exclusions of this limited warranty will not constitute a waiver of the terms, limitations or exclusions, nor will such assistance extend or revive the warranty. JOME will not reimburse the purchaser for any expenses incurred by the purchaser in repairing, correcting or replacing any defective products or parts, except those incurred with JOME’s prior written permission. JOME’S AGGREGATE LIABILITY WITH RESPECT TO COVERED PRODUCTS IS LIMITED TO AN AMOUNT EQUAL TO THE PURCHASER’S ORIGINAL PURCHASE PRICE PAID FOR SUCH PRODUCT.

### Minn Kota Service Information

To obtain warranty service in the U.S., the product believed to be defective, and proof of original purchase (including the date of purchase), must be presented to a Minn Kota Authorized Service Center. Go to minnkota.johnsonoutdoors.com/us/support/service-providers/locate to find a Minn Kota Authorized Service Center. Any charges incurred for service calls, transportation or shipping/freight to/from the Minn Kota Authorized Service Center, labor to haul out, remove, re-install or re-rig products removed for warranty service, or any other similar items are the sole and exclusive responsibility of the purchaser. Products purchased outside of the U.S. must be returned prepaid with proof of purchase (including the date of purchase and serial number) to any Authorized Minn Kota Service Center in the country of purchase. To contact Minn Kota Technical Support go to minnkota-help.johnsonoutdoors.com/hc. **Products repaired or replaced will be warranted for the remainder of the original warranty period, or for 90 days from the date of repair or replacement, whichever is longer. For any product that is returned for warranty service that JOME finds to be not covered by or not in breach of this limited warranty, there will be a billing for services rendered at the prevailing labor rate of the applicable Minn Kota Authorized Service Center and for a minimum of at least one hour.**

Service Provider Locator

Contact Technical Support

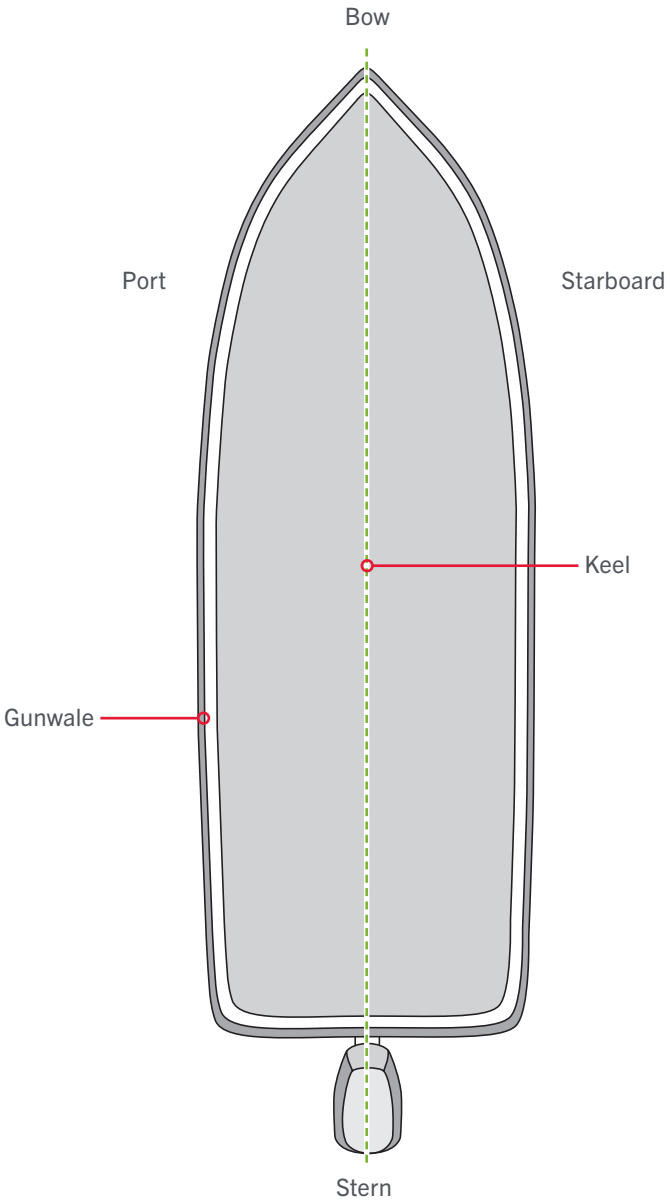
**NOTICE:** Do not return your Minn Kota product to your retailer. Your retailer is not authorized to repair or replace products.

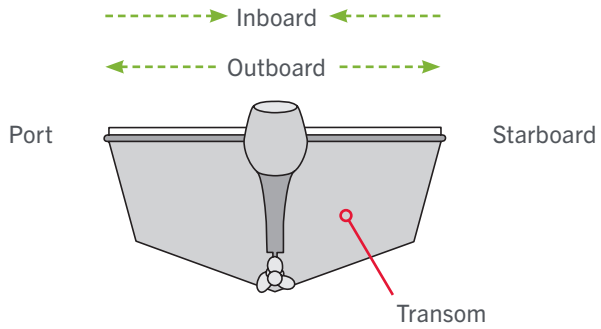
**NOTICE: THERE ARE NO EXPRESS WARRANTIES OTHER THAN THESE LIMITED WARRANTIES. IN NO EVENT SHALL ANY IMPLIED WARRANTIES INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, EXTEND BEYOND THE DURATION OF THE RELEVANT EXPRESS LIMITED WARRANTY. IN NO EVENT SHALL JOME BE LIABLE FOR PUNITIVE, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. Without limiting the foregoing, JOME assumes no responsibility for loss of use of product, loss of time, inconvenience or other damage.**

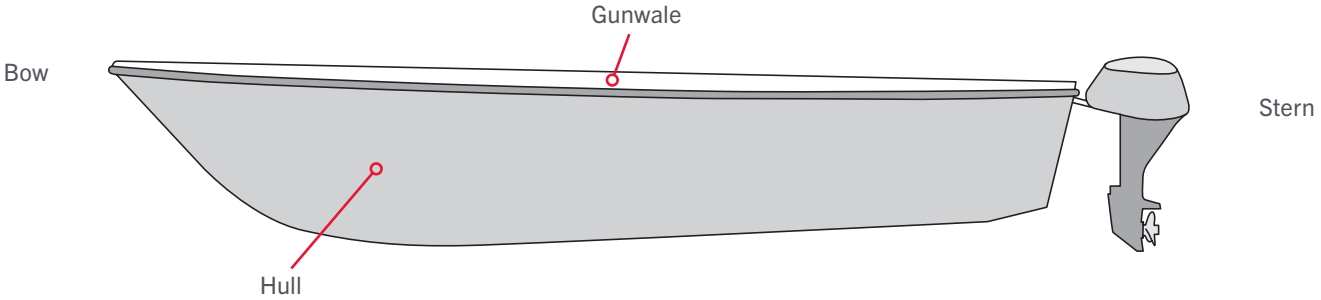
Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations and/or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.


©2026 Johnson Outdoors Marine Electronics, Inc.

# KNOW YOUR BOAT

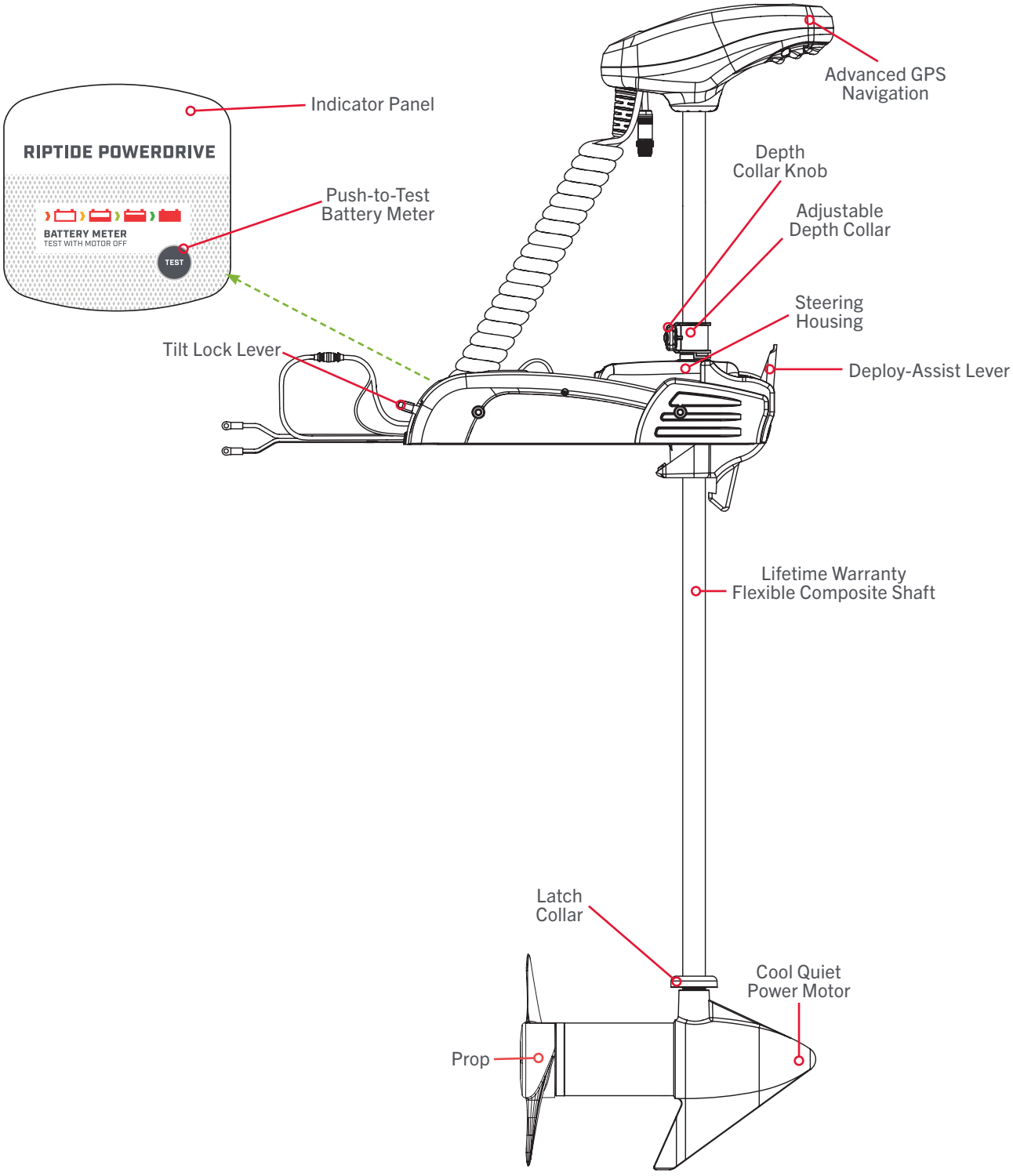



©2026 Johnson Outdoors Marine Electronics, Inc.

# FEATURES




**NOTICE:** Specifications subject to change without notice. This diagram is for reference only and may differ from your actual motor.


©2026 Johnson Outdoors Marine Electronics, Inc.

# INSTALLATION

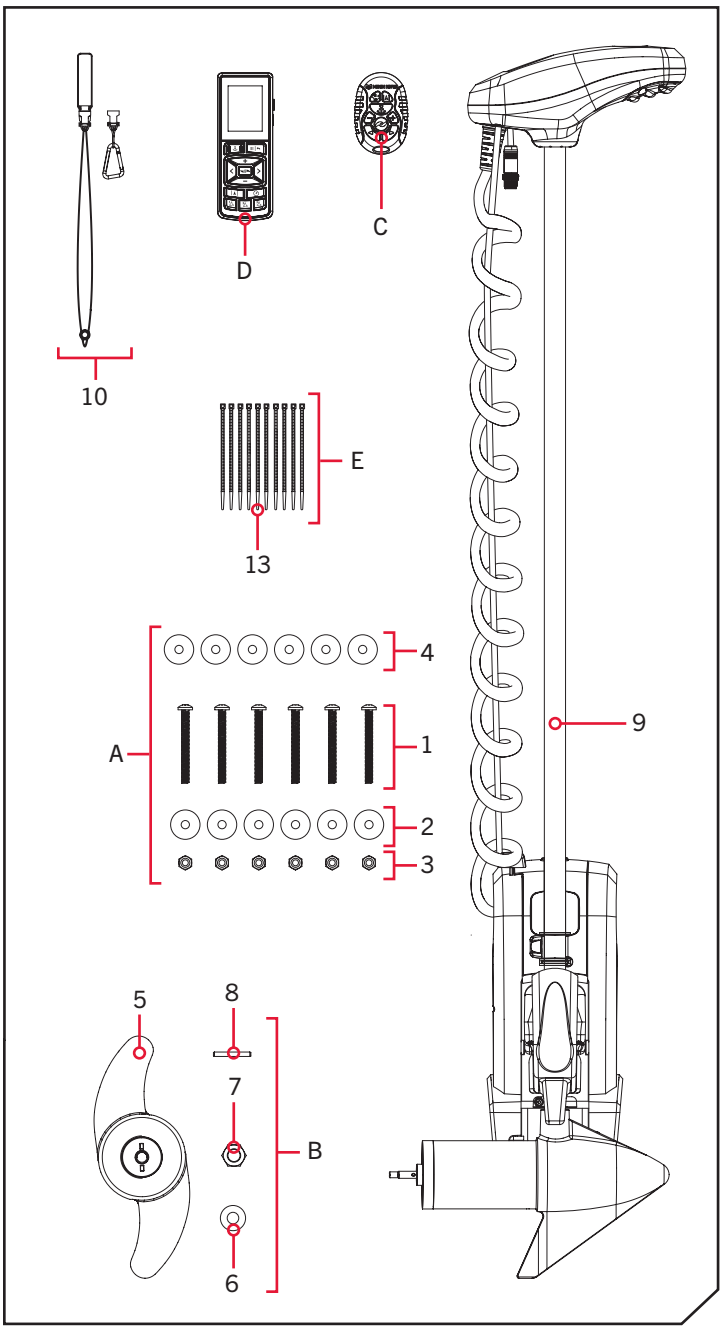
## INSTALLING THE RIPTIDE POWERDRIVE

The Riptide PowerDrive comes with everything needed to directly install it to the boat. Mount the motor directly to the bow or pair it with a Minn Kota quick release bracket for easy mounting and removal. For compatible quick release brackets and to locate the nearest dealer, visit minnkota.johnsonoutdoors.com. To install the motor directly to the boat, follow the instructions provided in this document. Please review the parts list, mounting considerations and tools needed for installation before getting started. For additional product support, visit minnkota.johnsonoutdoors.com.

### INSTALLATION PARTS LIST ❯

| Item / Assembly | Part # | Description | Qty. |
|---|---|---|---|
| A (Includes 1 - 4) | 2994864 | BAG ASSEMBLY - (BOLT, NUT, WASHERS) | 1 |
| 1 | 2263462 | BOLT-MOUNTING-1/4X2 W/STG | 6 |
| 2 | 2261713 | WASHER-1/4 | 6 |
| 3 | 2263103 | NUT NYLOK 1/4-20 MTG | 6 |
| 4 | 2301720 | WASHER-MOUNTING RUBBER | 6 |
| B (Includes 5 - 8) | 1378170 | PROP KIT 2091170 PWR PRP | 1 |
| 5 | 2091170 | PROP-PRW (3 5/8") REAMED | 1 |
| 6 | 2151726 | WASHER-5/16 SS | 1 |
| 7 | 2053101 | NUT-PROP,NYLOC (MED) 5/16 SS | 1 |
| 8 | 2092600 | PIN-DRIVE 1.06" LG SS | 1 |
| 9 | ✖ | MOTOR ASSEMBLY | 1 |
| 10 | 2390802 | LANYARD W/CARABINR, IP RMT | 1 |
| C | 2994102 ♦ | ASSY, REMOTE, MICRO MK | 1 |
| D | 411690-1 ♦ | IPILOT 4.0 REMOTE | 1 |
| E (Includes 13) | 2996300 | TIE WRAP ASM, 60" | 1 |
| 13 | 2206300 | TIE WRAP, LOW PROFILE 4" | 10 |
| ▲ | 2394912 ♦ | QCK REF.GUIDE, iP MICRO RMT BT | 1 |
| ▲ | 2397115 ♦ | GUIDE-QCK REFERENCE IP 4.0 | 1 |
| ▲ | 2317132 | INSTA GUIDE,RT POWERDRIVE | 1 |
| ▲ | 2317133 | CHECKLIST, RT POWERDRIVE | 1 |

**NOTICE:** The Riptide PowerDrive comes with either a Micro Remote or full-featured Wireless Remote.




▲ *Not shown on Parts Diagram.*

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

♦ *Only available with models factory installed with Advanced GPS Navigation.*

©2026 Johnson Outdoors Marine Electronics, Inc.

# INSTALLING THE RIPTIDE POWERDRIVE

## MOUNTING CONSIDERATIONS

It is recommended that the motor be mounted as close to the centerline of the boat as possible. Make sure the area under the mounting location is clear to drill holes and install nuts and washers. Make sure the motor rest is positioned far enough beyond the edge of the boat. The motor must not encounter any obstructions as it is lowered into the water or raised into the boat when stowed and deployed. Consider a quick release or adapter bracket with the installation of your motor. To view a list of accessories, please visit minnkota.johnsonoutdoors.com.

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

## TOOLS AND RESOURCES REQUIRED

- #3 and #2 Phillips Screw Driver
- Drill
- 9/32” Drill Bit
- 7/16” Box End Wrench
- A second person to help with the installation
- Pliers or Vice Grip

## INSTALLATION

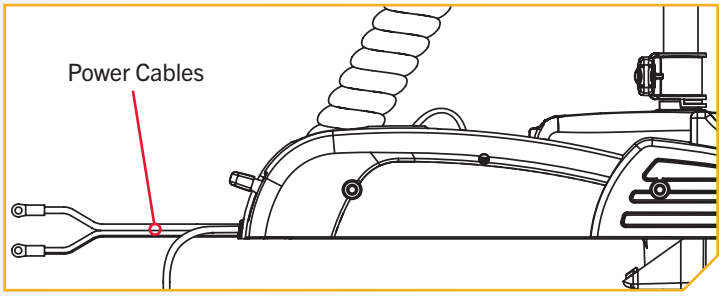
# INSTALLING THE RIPTIDE POWERDRIVE

**1**

a. 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 mounted on a level surface and is not connected to a power source.




**NOTICE:** The Riptide PowerDrive has no power switch. When the Power Cables are connected to a battery, the Riptide PowerDrive is "on". When the Power Cables are disconnected from the battery, the Riptide PowerDrive is "off". If the Power Cables are connected to a breaker, the Riptide PowerDrive is "on" when the breaker is "on" and "off" when the breaker is "off".


©2026 Johnson Outdoors Marine Electronics, Inc.

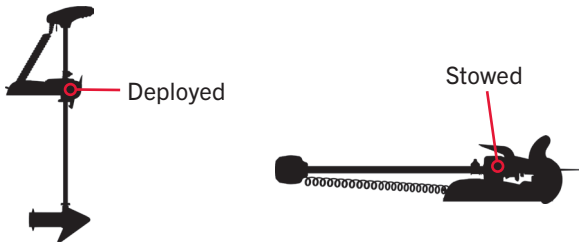
## 2

b. Place the mount 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.

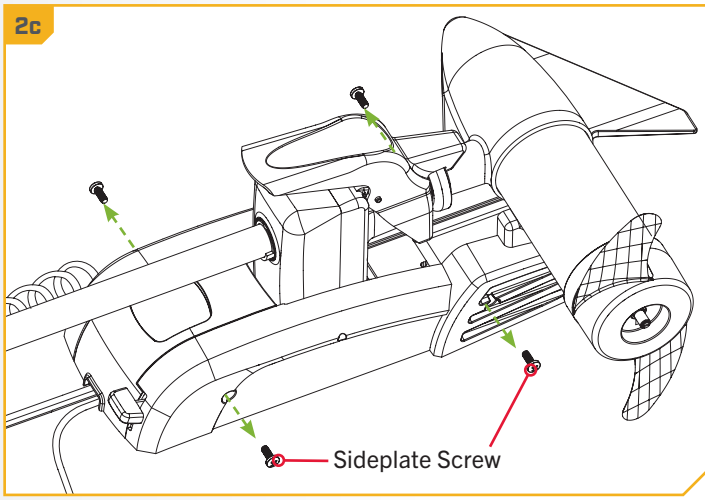
c. Remove the four sideplate screws using a #3 or #2 Phillips screwdriver. Two of these screws will be located on each side of the mount.

**NOTICE:** This motor weighs approximately 30 lbs. We recommend having a second person help with the installation.

2b




2c

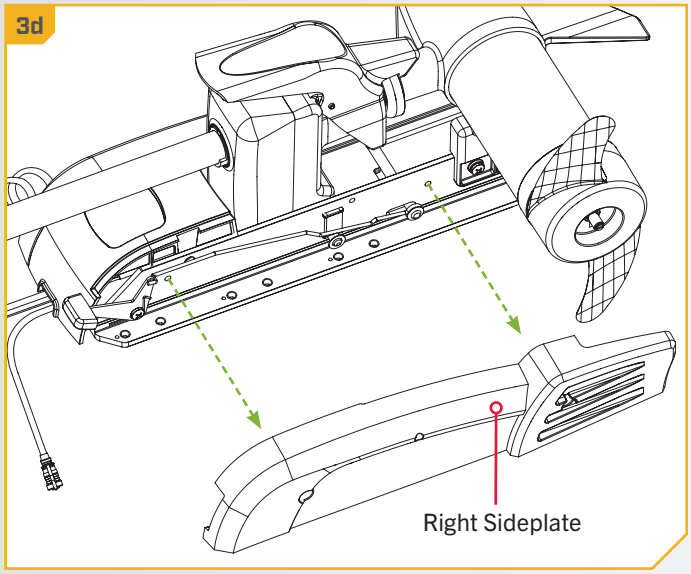



## 3

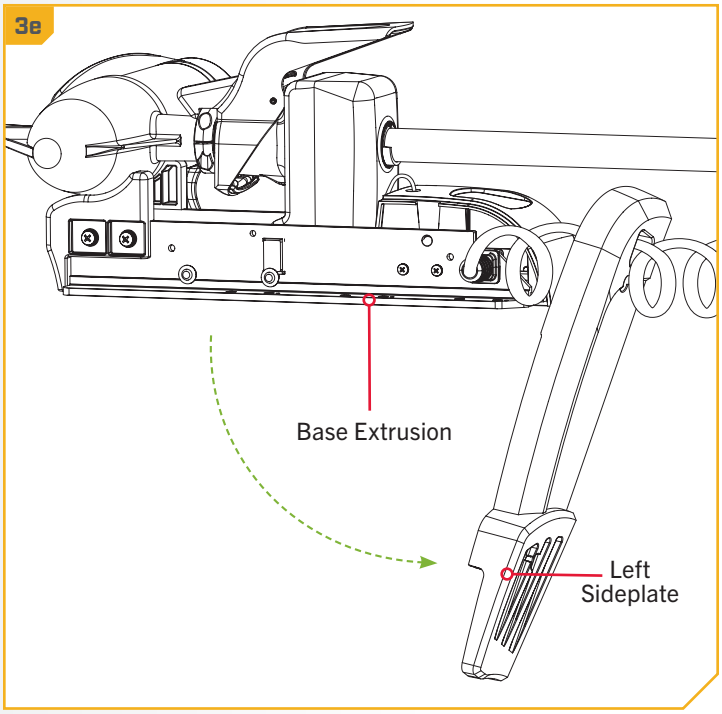
d. Remove the Right Sideplate.

e. Swing the Left Sideplate out and away from the Base Extrusion.

3d



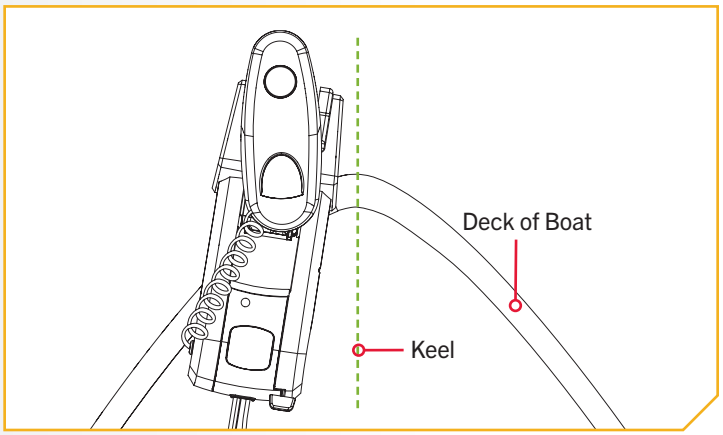

3e




©2026 Johnson Outdoors Marine Electronics, Inc.

**4**

f. Place the mount as close to the centerline or keel of the boat as possible. The motor can be installed on either the Port or Starboard side of the boat based on personal preference. Check placement with the motor in the stowed and deployed positions. Review the mounting considerations at the beginning of the installation.



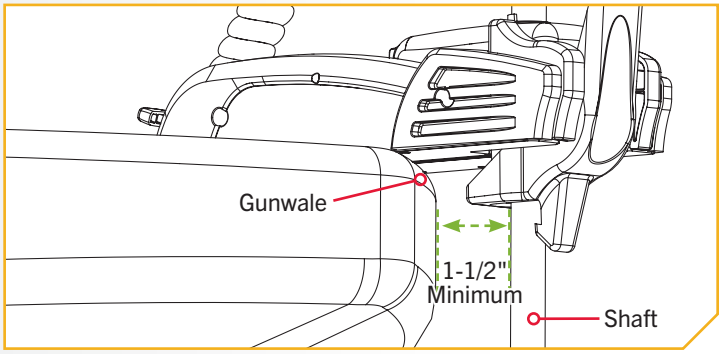

**5**

**ITEM(S) NEEDED**

⊙ **#4 x 6**

g. When the motor is in the deployed position, make sure that the Shaft is 1-1/2" out past the Gunwale of the boat. The lower unit, when stowed and deployed must not encounter any obstructions.

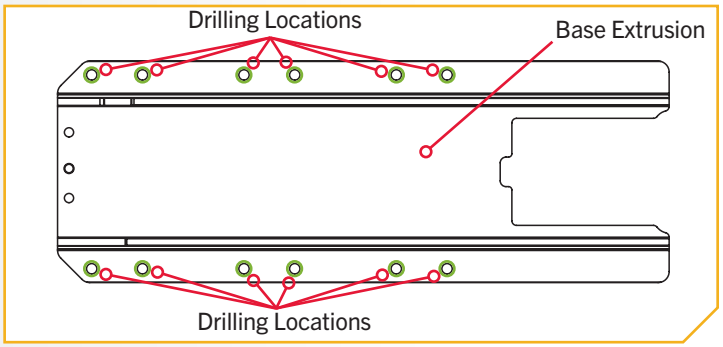
h. Check to be sure that the mount is level. Use the Rubber Washers (Item #4) provided to create a level surface if necessary.




**6**

i. It is recommended to mark at least 6 of the 12 holes in the Base Extrusion and to have a minimum of two bolts on each side that are located the farthest apart. Ideal installation would allow for 6 bolts to be used, with a minimum of 4.

j. Drill through the deck of the boat using a 9/32" Drill Bit on the marked locations.





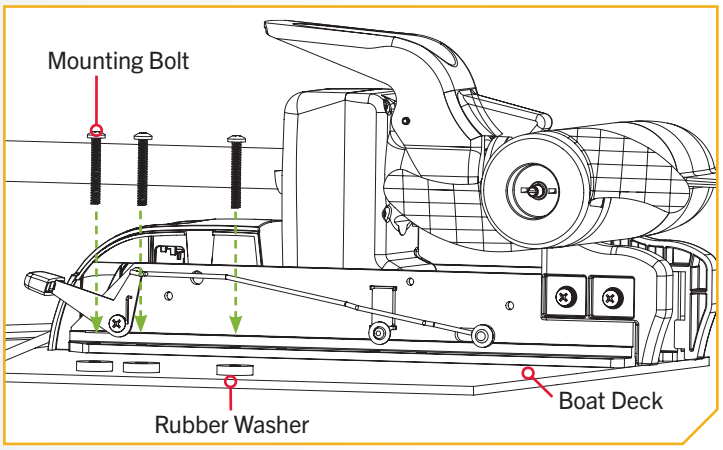
©2026 Johnson Outdoors Marine Electronics, Inc.

## 7

**ITEM(S) NEEDED**

#4 x 6 | #1 x 6

k. Put a 1/4-20 x 2" (Item #1) Mounting Bolt in each of the drilled locations. The Mounting Bolt should pass through the Base Extrusion and the boat deck. If the Rubber Washers (Item #4) are used, they should sit between the Base Extrusion and boat deck. Make sure to secure the motor with screws on each side of the Base Extrusion.



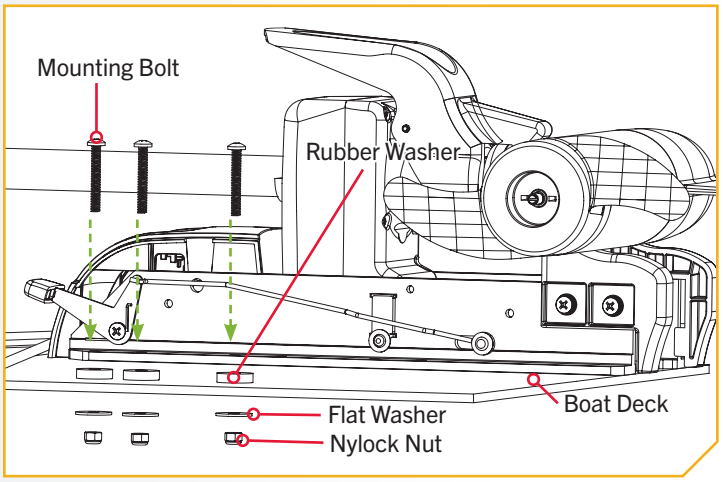

## 8

**ITEM(S) NEEDED**

#2 x 6 | #3 x 6

l. Place a Flat Washer (Item #2) and then a Nylock Nut (Item #3) at the end of each Mounting Bolt as shown and secure. Make sure all hardware is secure.

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

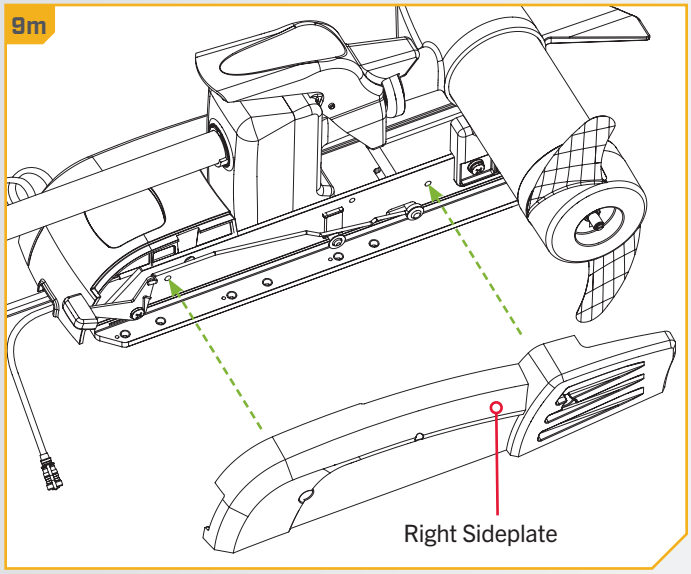


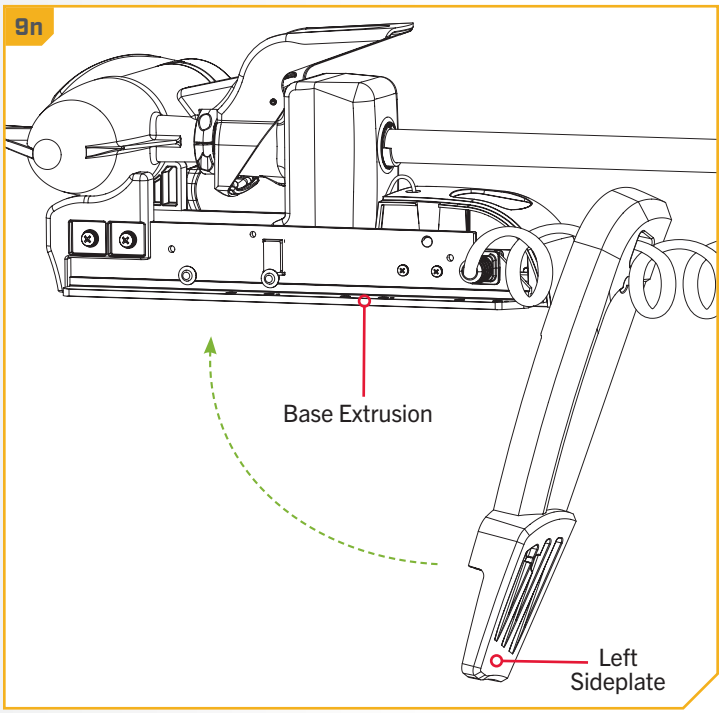

©2026 Johnson Outdoors Marine Electronics, Inc.

## 9

m. Replace the Right Sideplate.

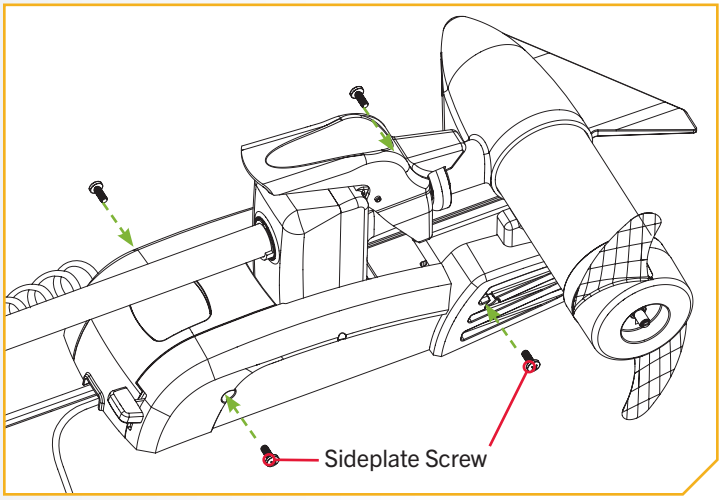
n. Swing the Left Sideplate back into its correct position on the Base Extrusion.




## 10

o. Replace the four Sideplate Screws using a #3 or #2 Phillips screwdriver. Two of these screws will be located on each side of the mount.





©2026 Johnson Outdoors Marine Electronics, Inc.

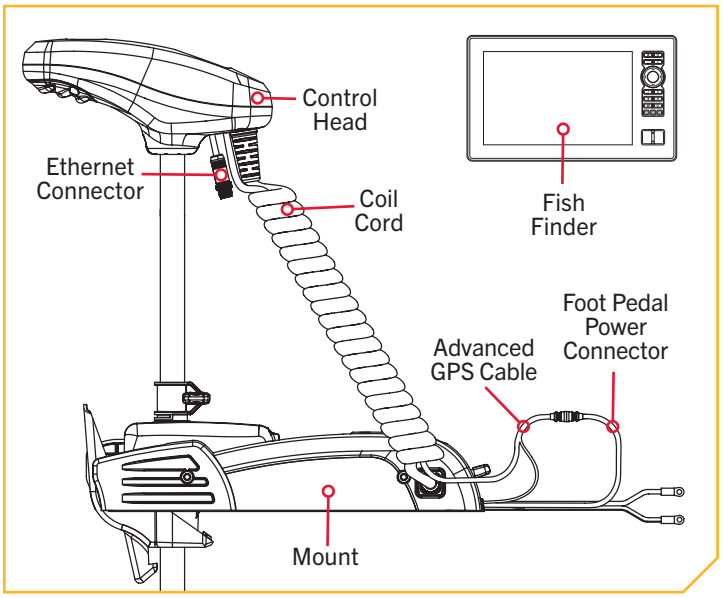
## ETHERNET CONNECTION

The trolling motor connects to a Minn Kota® fish finder with Humminbird® Imaging via a wireless connection. For more details on establishing a wireless connection, please see the "Pair the Trolling Motor to a Fish Finder" section of this document. If a wired connection is preferred, the Riptide PowerDrive uses the optional AS EC 30E - 30' Ethernet Cable (720073-4). The optional cable is available online at minnkota.johnsonoutdoors.com. View more details on optional Ethernet cables, adapter cables, and fish finder compatibility online at minnkota.johnsonoutdoors.com and in the Owner's Manual.

**NOTICE:** Riptide PowerDrive motors with Advanced GPS Navigation must keep the Advanced GPS Cable connected to the Foot Pedal Power Connector.

**NOTICE:** When pairing multiple devices wirelessly with the trolling motor, Minn Kota Fishing App, Raptor or Talon shallow water anchors, multiple Minn Kota Remotes, and Minn Kota or Humminbird fish finders, Minn Kota recommends a wired Ethernet Cable between the trolling motor and fish finder for optimal performance.

HUMMINBIRD® IMAGING

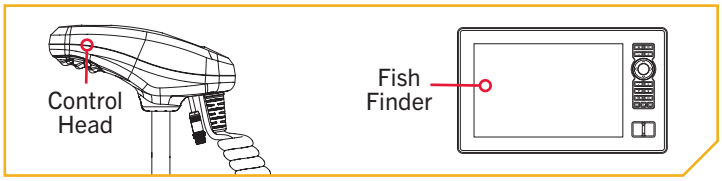



©2026 Johnson Outdoors Marine Electronics, Inc.

## Pair the Trolling Motor to a Fish Finder

The trolling motor connects to a Minn Kota® fish finder via a wireless connection. Complete the prop installation and the battery and cabling installation, then pair the trolling motor to the fish finder. The trolling motor and fish finder must be powered on to complete the pairing process. The following Minn Kota fish finder models are compatible with a wireless connection to the trolling motor:

- SOLIX® G3
- APEX™
- XPLORE™
- A Series™
- X Series™



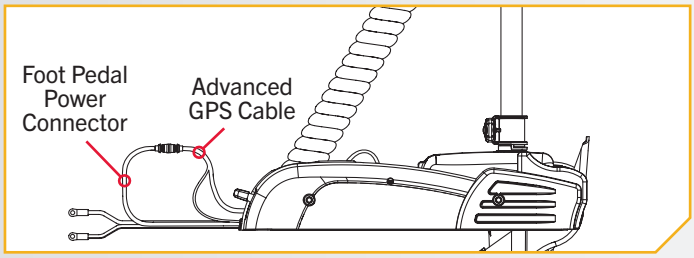

Additional fish finders are compatible with a wired connection using the AS EC 30E - 30' Ethernet Cable (720073-4). The optional cable is available online at minnkota.johnsonoutdoors.com. View more details on optional Ethernet cables, adapter cables, and fish finder compatibility online at minnkota.johnsonoutdoors.com and in the Owner's Manual. Fish finders with a wireless connection do not need an Ethernet cable. For Riptide PowerDrive trolling motors, the Advanced GPS Cable must remain connected to the Foot Pedal Power Connector. To pair the trolling motor with the fish finder, follow the instructions below.

**NOTICE:** Retain the Tie Wraps (Assembly #C) for use when installing a wired connection between the trolling motor and fish finder. Trolling motors using a wireless connection do not use the Tie Wraps. See the Owner's Manual for more details on using a wired Ethernet cable online at minnkota.johnsonoutdoors.com.

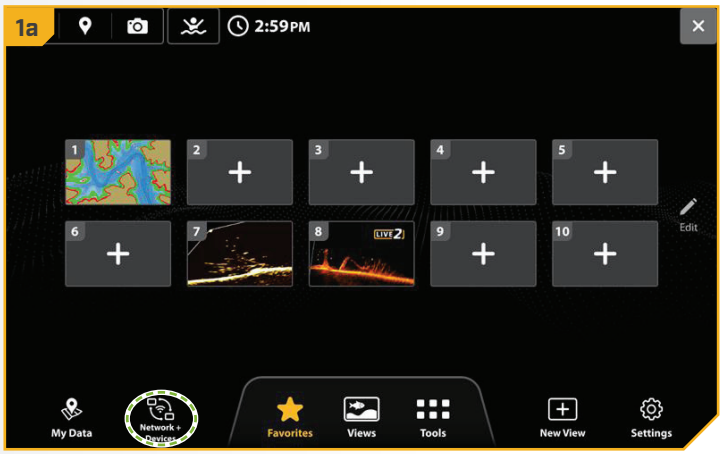
**1**

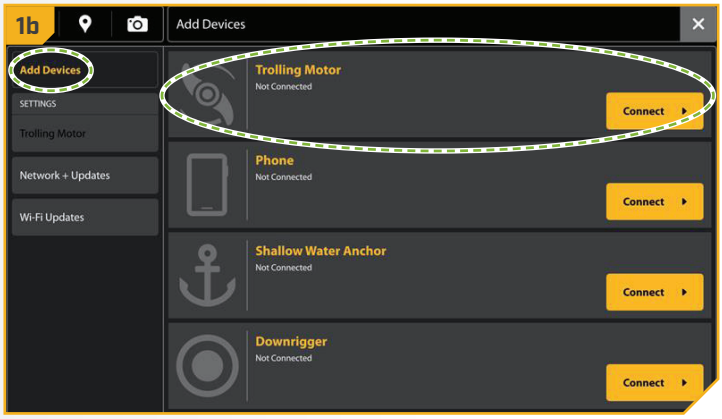
a. Power on the fish finder and the trolling motor. From the fish finder home screen, select "Network & Devices".

b. Select "Add Devices" and locate "Trolling Motor". In the Trolling Motor section, select "Connect".




**NOTICE:** Riptide PowerDrive motors with Advanced GPS Navigation must keep the Advanced GPS Cable connected to the Foot Pedal Power Connector.



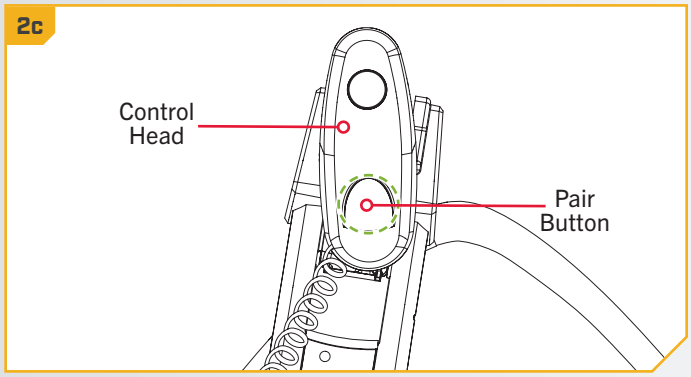





©2026 Johnson Outdoors Marine Electronics, Inc.

**2**

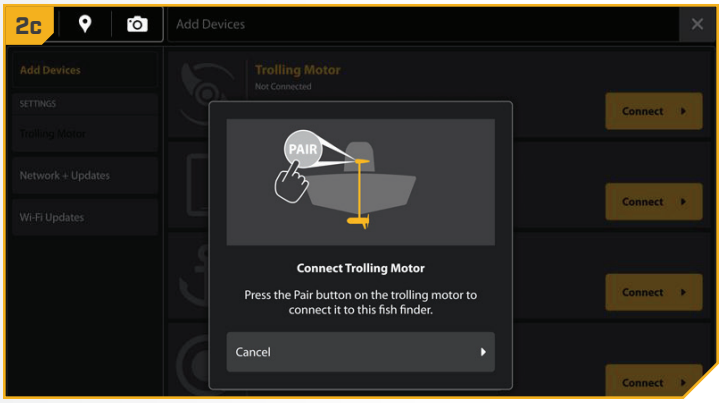
c. Press and hold the Pair button on the trolling motor Control Head.

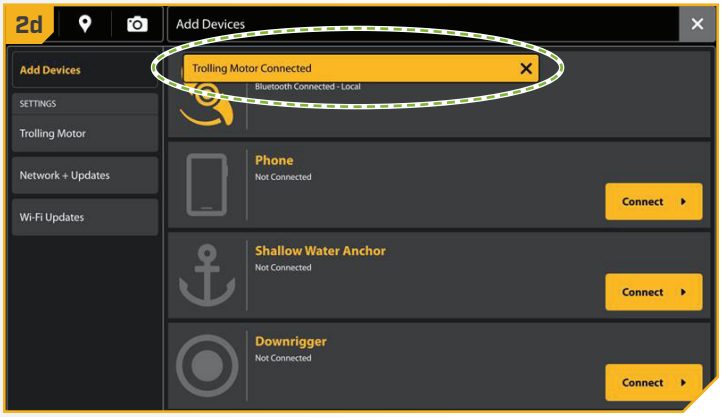



**NOTICE:** For more details on the behavior of the Pair button, please see the Owner's Manual.

d. When successfully paired, the trolling motor will emit three beeps, and is paired to the fish finder. The fish finder will display "Trolling Motor Connected."

**NOTICE:** Purchase the optional Heading Sensor (1866680) to enable the Spot-Lock Jog feature for Riptide PowerDrive motors with Advanced GPS Navigation.




©2026 Johnson Outdoors Marine Electronics, Inc.

## Installing a Wired Ethernet Connection

A wired Ethernet connection is not needed if the trolling motor is paired to the Minn Kota fish finder. If a wired connection is preferred, the PowerDrive requires the use of the AS EC 30E - 30' Ethernet Cable (720073-4) available online at minnkota.johnsonoutdoors.com. Follow the directions below to connect the Ethernet Cable to the Eight-pin Ethernet Connector below the Control Head.

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

## ⚠ CAUTION

Failure to follow the recommended wire routing for installed features, if equipped, may cause damage to the product and void the 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.

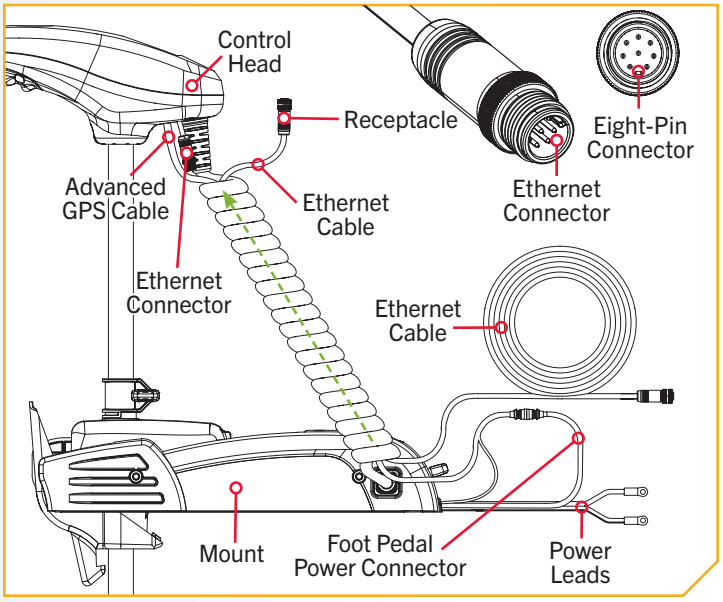
**1**

a. Place the motor in the deployed position.

b. Locate the Eight-pin Ethernet Connector below the Control Head. The Ethernet Connector exits the base of the Control Head and will rest just below the Control Head next to the Coil Cord.

c. The Ethernet Cable has a Receptacle on both ends. Starting at the Mount, route the Receptacle from one end of the cable through the center of the Coil Cord to the Ethernet Connector.

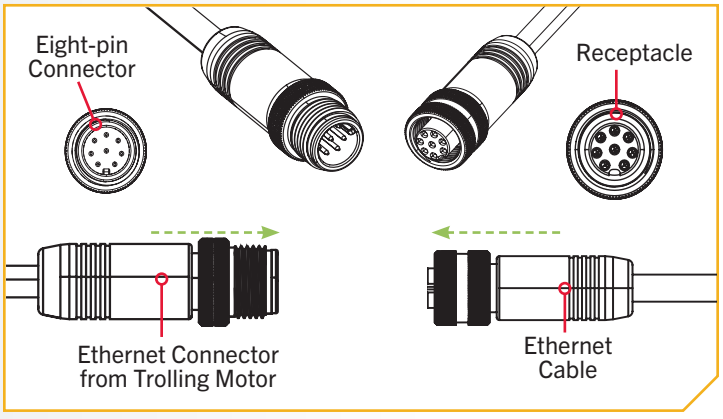
**NOTICE:** Minn Kota recommends routing the Ethernet Cable through the Coil Cord when making the Ethernet connection. The cables will be installed from the Mount to the Control Head through the Coil Cord and parallel to the Advanced GPS Cable. Bypassing the Coil Cord when routing the Ethernet Cable is not recommended.




**2**

d. The Ethernet Cable will float freely inside the Coil Cord. Allow enough slack in the cable to attach the Receptacle to the Ethernet Connector.

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



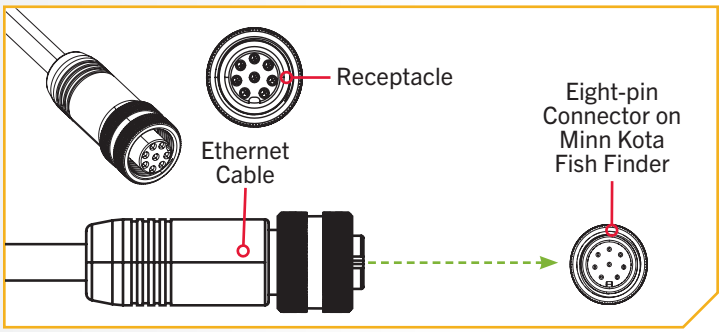


©2026 Johnson Outdoors Marine Electronics, Inc.

## 3

f. The Receptacle on the end of the Ethernet Cable exits the Coil Cord and connects to the Fish Finder. Align the keyed connectors of the Receptacle on the Ethernet Cable with the Eight-pin Connector on the Minn Kota fish finder. Tighten the Collar from the Ethernet Cable to secure the connection.

**NOTICE:** If the Ethernet Cable is not long enough to reach the fish finder, use a 30' Ethernet Extension Cable (AS ECX 30E - 760025-1) from minnkota.johnsonoutdoors.com. The Ethernet Extension Cable plugs directly into any length of Ethernet Cable.

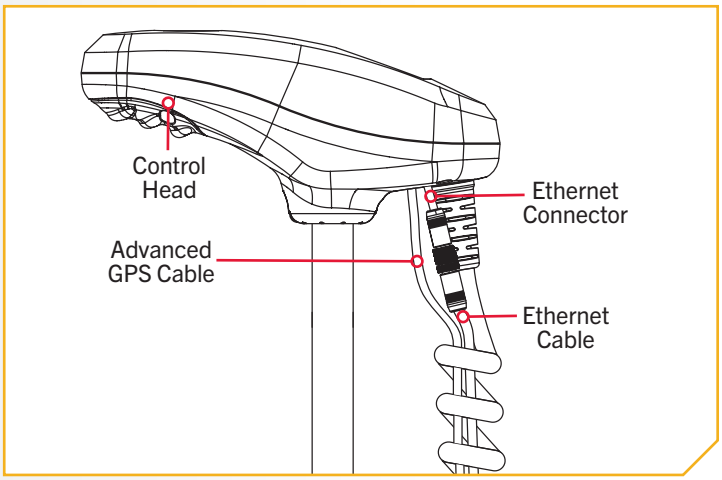



**NOTICE:** To make a wired Ethernet connection between the trolling motor and a Humminbird® Helix fish finder, find the correct adapter cable by checking compatibility online at minnkota.johnsonoutdoors.com.

## 4

g. Confirm all Cables are connected to an output device as desired, then place the motor in the stowed position.

h. To secure the Accessory Cables, the Advanced GPS and Ethernet Cables tie 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.




©2026 Johnson Outdoors Marine Electronics, Inc.

## 5

### ITEM(S) NEEDED

#13 x 10

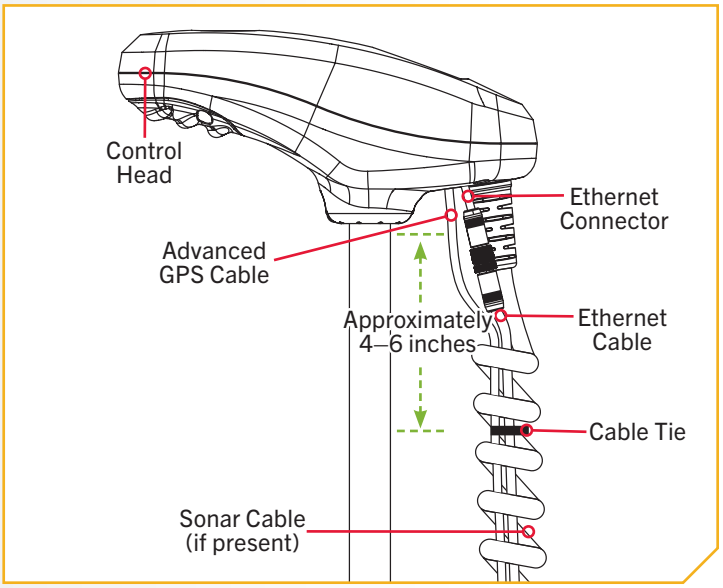
i. Starting approximately 4–6 inches below the Control Head, take a Cable Tie (Item #13) and place it around the Advanced GPS and Ethernet Cables. Do NOT capture the Coil Cord with the Cable Tie. The Advanced GPS and Ethernet Cables should be secured together with a Cable Tie, but float freely on the inside of the Coil Cord. Keep the pre-installed Cable Tie in place.

**NOTICE:** Do NOT secure the Cables to the Coil Cord. ONLY secure the Advanced GPS and Ethernet Cables to each other using Cable Ties.

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

**⚠ CAUTION**

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

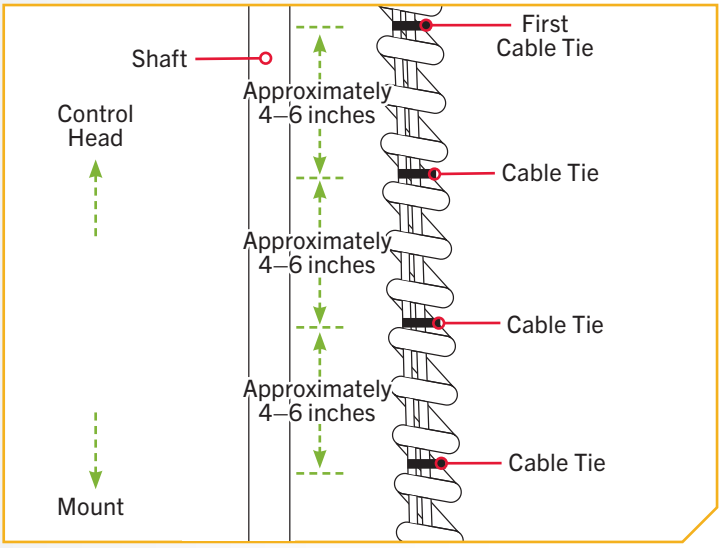



## 6

k. 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.





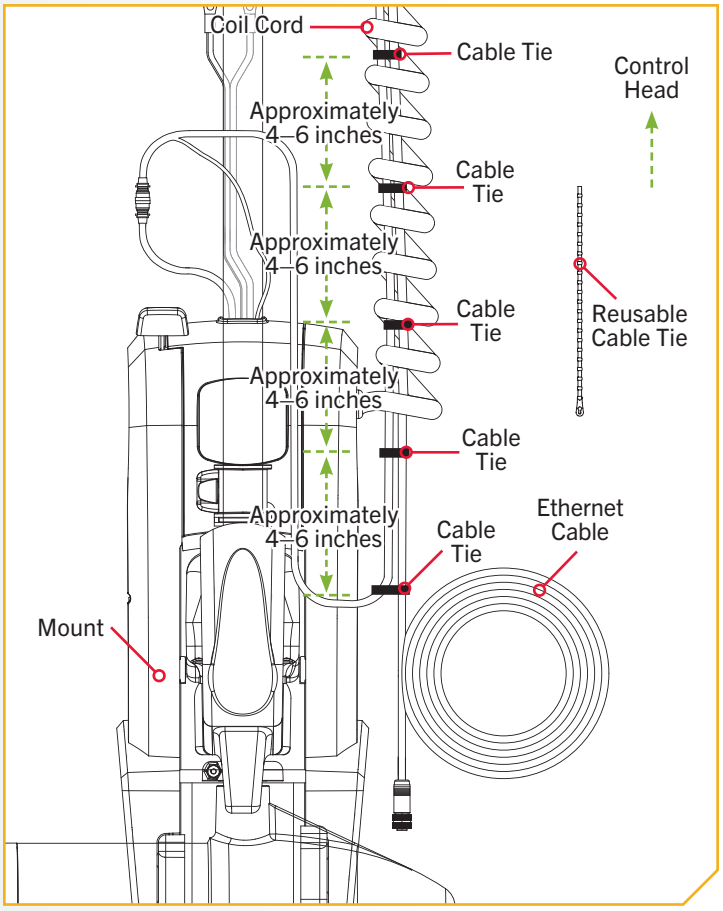
©2026 Johnson Outdoors Marine Electronics, Inc.

**7**

l. 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.

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

n. Confirm that the Ethernet Cable is connected to the fish finder as desired. Leave 6” of slack where the Ethernet Cable exits the Coil Cord. Bundle any excess cable in a loose loop of no less than 4” in diameter. Secure loosely with a Reusable Cable Tie.




## INSTALLING THE PROP

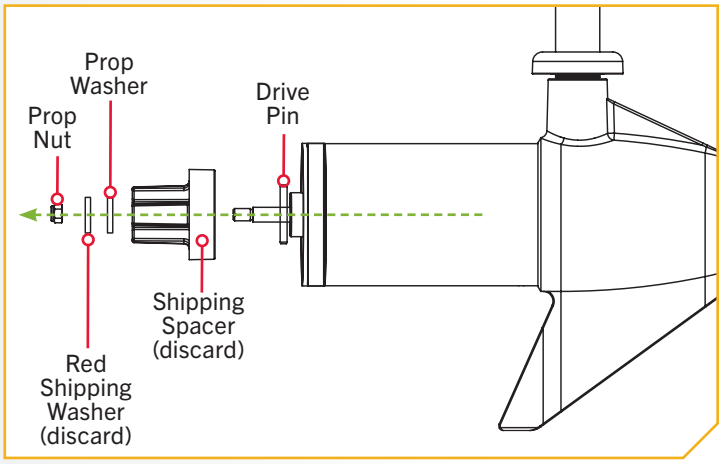
**1**

**⚠ CAUTION**

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

a. While holding the Shipping Spacer with a pliers or vise grip, remove the Prop Nut, Red Shipping Washer, Prop Washer and Spacer, being careful not to lose the Drive Pin. Reuse the Prop Nut, Prop Washer and Drive Pin to attach the Prop.

**NOTICE:** The Shipping Spacer and Red Shipping Washer are for shipping purposes only and must be discarded. The Red Shipping Washer will rust if used to attach the Prop.



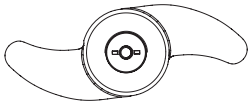

©2026 Johnson Outdoors Marine Electronics, Inc.

# INSTALLING THE PROP

## 2

**ITEM(S) NEEDED**

◎ #6 x 1 ◎ #7 x 1 | #8 x 1

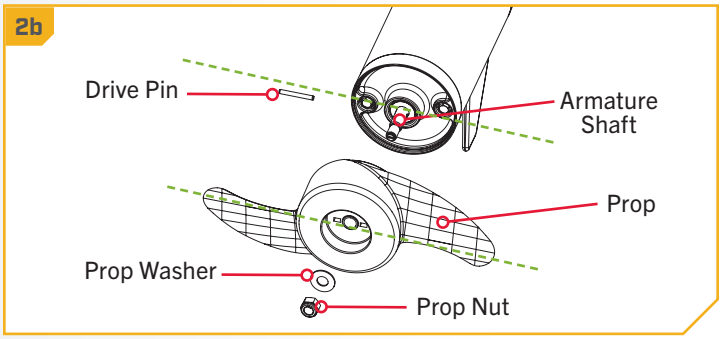


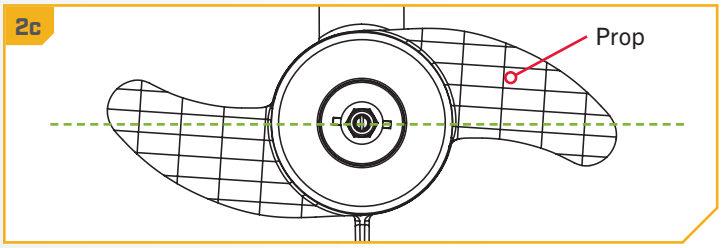
#5 x 1

b. Take the Drive Pin (Item #8) and slide it through the Hole in the Armature Shaft. Position the Drive Pin horizontal by grasping the Armature Shaft and rotating it with the Drive Pin in place.

c. Align the Prop (Item #5) so it is also 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.

d. Install the Prop Washer (Item #6) and the Prop Nut (Item #7) onto the end of the Armature Shaft.



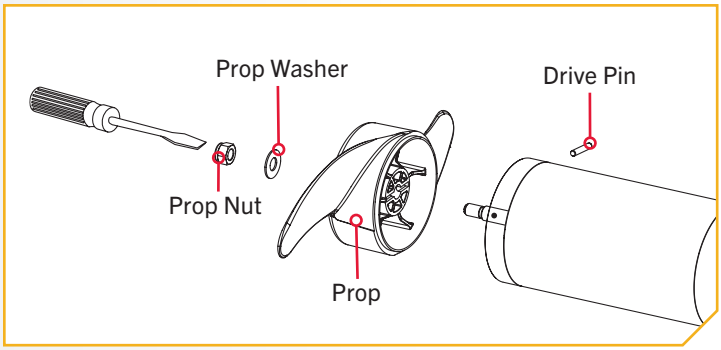

## 3

e. Holding the end of the Armature Shaft with a Flat Blade Screwdriver, tighten the Prop Nut with a 9/16" Open End Wrench.

f. Tighten the Prop Nut 1/4 turn past snug to 25-35 in-lbs.

**⚠ CAUTION**

Do not over tighten as this can damage the prop.





©2026 Johnson Outdoors Marine Electronics, Inc.

# 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 |
| 55 lb. | 50 | 60 Amp | 12 VDC | 8 AWG | 4 AWG | 2 AWG | 2 AWG | 1 AWG |
| 70 lb. | 42 | 50 Amp | 24 VDC | 8 AWG | 8 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. Maximum Amp Draw values only occur intermittently during select conditions and should not be used as continuous amp load ratings.

*Reference*

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

©2026 Johnson Outdoors Marine Electronics, Inc.

SELECTING THE CORRECT BATTERIES

The motor will operate with any lead acid, deep cycle marine 12 volt battery/batteries. For best results, use a deep cycle, marine battery with at least a 105 amp-hour rating. Maintain battery at full charge. Proper care will ensure having battery power when you need it, and will significantly improve the 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. We offer a wide selection of chargers to fit your charging needs. If you are using a crank battery to start a gasoline outboard, we recommend that you use a separate deep cycle marine battery/batteries for your Minn Kota trolling motor. For more information on battery selection and rigging, please visit minnkota.johnsonoutdoors.com. Minn Kota trolling motors can run on Lithium Ion batteries. However, they are specifically designed to run on traditional lead acid batteries (flooded, AGM or GEL). Lithium Ion batteries maintain higher voltages for longer periods of time than lead acid. Therefore, running a Minn Kota trolling motor at speeds higher than 85% for a prolonged period could cause permanent damage to the motor.

**⚠ 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-19 60-amp circuit breaker 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.

### 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.


©2026 Johnson Outdoors Marine Electronics, Inc.

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.

**NOTICE:** The internal bonding wire is equipped with a 3 amp fuse. Improper connections described above carrying in excess of 3 amps will blow this fuse and no further damage will be exhibited. If this occurs, RF interference from the trolling motor affecting sonar units and other electronics will be more significant. If the fuse is blown the wiring error should be found and addressed prior to replacing the fuse. The replacement fuse should be 3 amps or less. An intact fuse does not imply correct rigging; significant damage can be done by incorrect wiring without approaching 3 amps of current.

# CONNECTING THE BATTERIES

## 12 Volt Systems

1. Make sure that the motor is switched off (speed selector on “OFF” or “0”).
2. Connect positive ( + ) red lead to positive ( + ) battery terminal.
3. Connect negative ( – ) black lead to negative ( – ) battery terminal.

**⚠ 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.

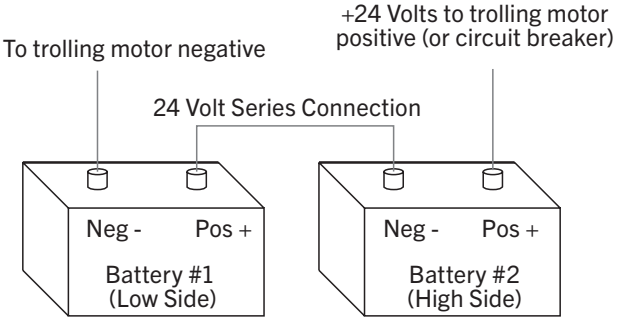
©2026 Johnson Outdoors Marine Electronics, Inc.

# 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 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.


©2026 Johnson Outdoors Marine Electronics, Inc.

# MINN KOTA SYSTEM

## OPTIMIZING THE PERFORMANCE OF THE RIPTIDE POWERDRIVE

The Minn Kota System is an integrated fishing system that unites trolling motors, fish finders, sonar, mapping, shallow water anchors, and more into a single, seamless experience. Connecting the trolling motor to additional Minn Kota System products enhances the fishing experience and allows anglers to focus less on managing gear and more on fishing.

Riptide PowerDrive trolling motors feature Advanced GPS Navigation and comes from the factory paired with either a Wireless Remote or a Micro Remote. The remote offers one way to control the trolling motor and Advanced GPS Navigation features such as Spot-Lock and AutoPilot. To learn more about Remote features, refer to the Micro Remote or Wireless Remote Owner's Manual online at minnkota.johnsonoutdoors.com.

Pair Riptide PowerDrive trolling motors with Advanced GPS Navigation to the Minn Kota Fishing App to provide more control over the Minn Kota System. The Minn Kota Fishing App is a free iOS and Android application you can download to a mobile device, providing unparalleled control over all of your Minn Kota System products. Find instructions to pair the trolling motor with a mobile device in the app.

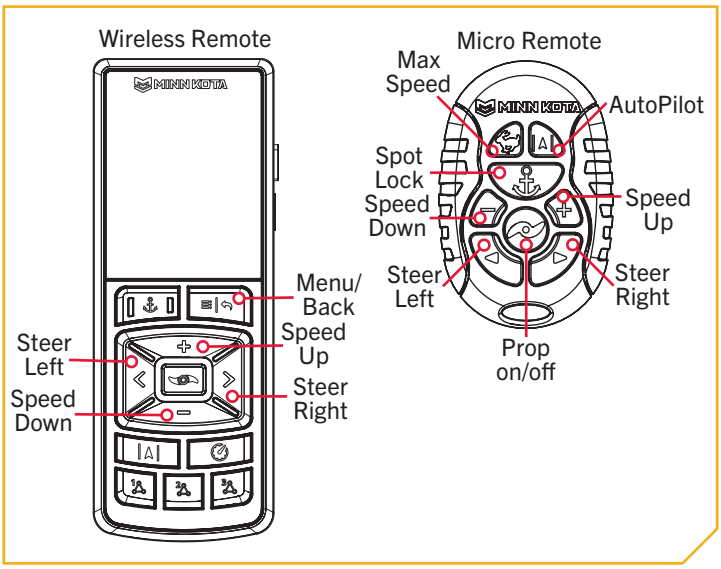
The Minn Kota Heading Sensor (Item # 1866680) is an optional accessory that enhances boat positioning and enables features such as Spot-Lock Jog, which lets you move the Spot-Lock location in 5 ft increments in any direction. Purchase a Heading Sensor online at minnkota.johnsonoutdoors.com. Use the Minn Kota Fishing App to finalize trolling motor settings for the Heading Sensor.

**⚠ WARNING**

Take care that neither you nor other persons approach the turning prop 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 Minn Kota Fishing App settings.



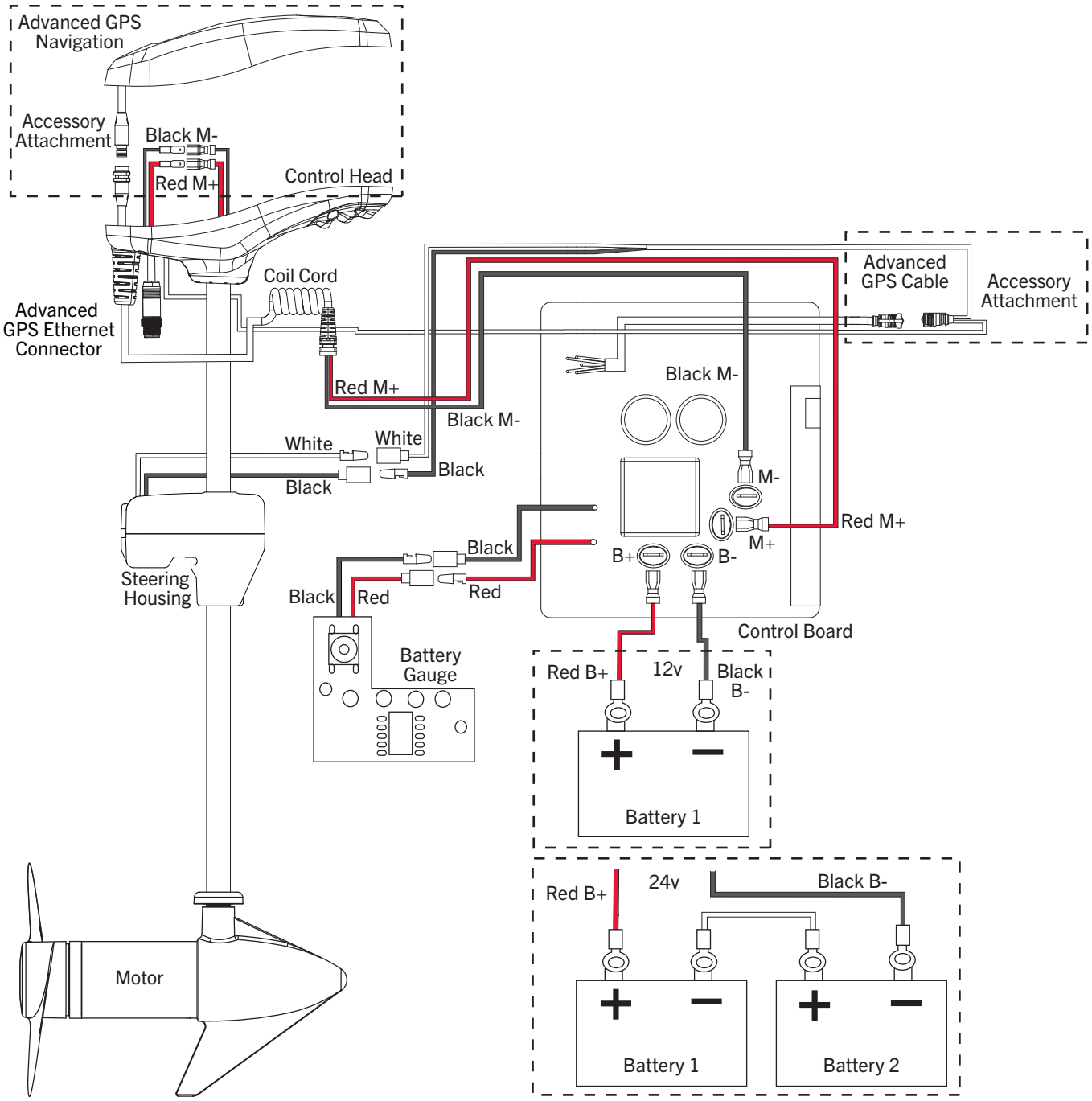

**NOTICE:** If the Micro Remote is lost or becomes non-functioning during navigation, and the Minn Kota Fishing App is unavailable, disconnect the motor from power to cancel all active navigation and turn off the Prop.

©2026 Johnson Outdoors Marine Electronics, Inc.

# MOTOR WIRING DIAGRAM

## RIPTIDE POWERDRIVE WITH ADVANCED GPS NAVIGATION

The following Motor Wiring Diagram applies to all Riptide PowerDrive models that come factory installed with Advanced GPS Navigation.




**NOTICE:** This is a multi-voltage diagram. Double-check your motor's voltage for proper connections. Over-Current Protection Devices are not shown in this illustration.


©2026 Johnson Outdoors Marine Electronics, Inc.

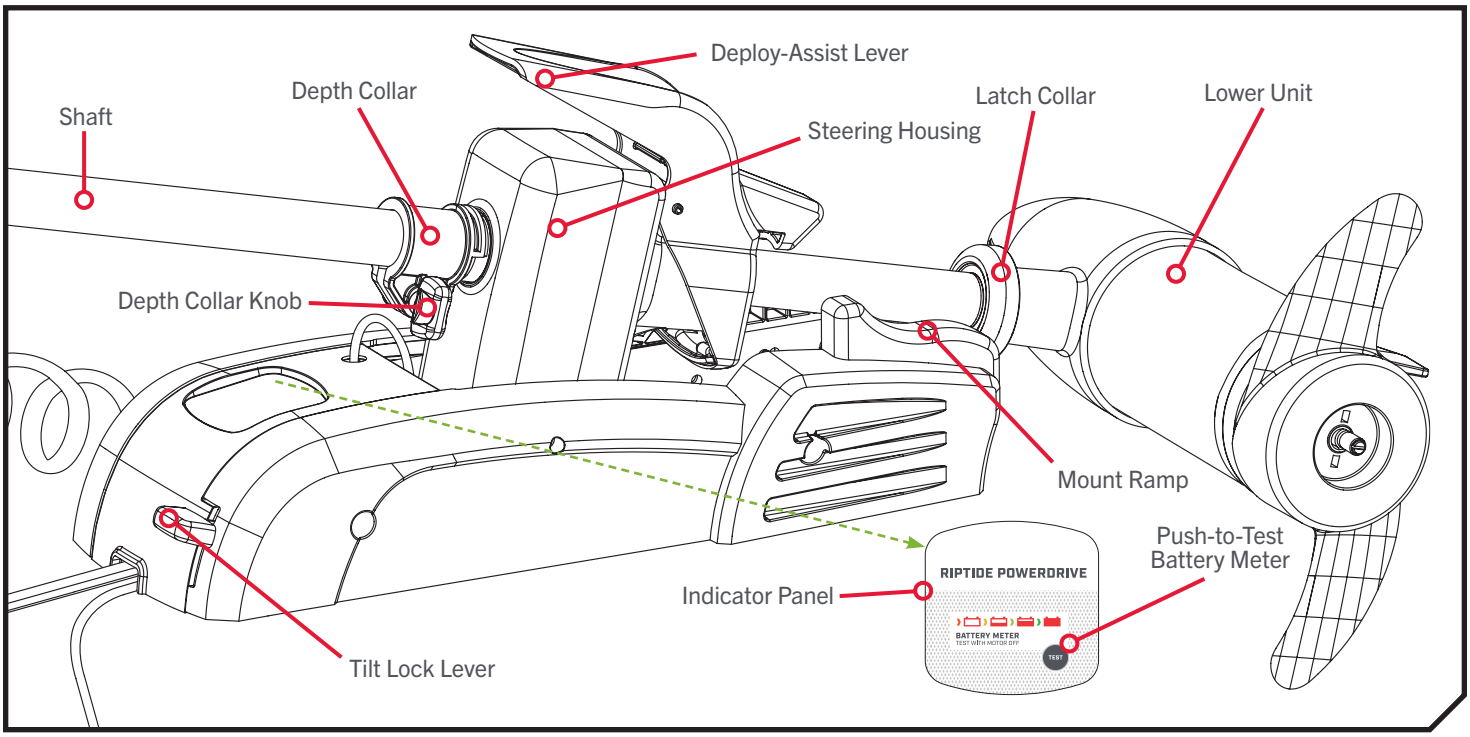
# USING & ADJUSTING THE MOTOR

## POWERING UP THE TROLLING MOTOR

The Riptide PowerDrive has no power switch. When the Power Cables are connected to a battery, the Riptide PowerDrive is "on". When the Power Cables are disconnected from the battery, the Riptide PowerDrive is "off". If the Power Cables are connected to a breaker that is connected to the battery, the Riptide PowerDrive is "on" when the breaker is "on" and "off" when the breaker is "off".

## MOUNT FEATURES

Become familiar with the features of the motor to maximize the capabilities this product offers.




### Depth Collar & Depth Collar Knob

The Depth Collar is located on the Shaft above the Steering Housing. It functions to hold the motor at the proper depth while deployed. It also functions to hold the Lower Unit in place when stowed while not in use and during transport. The Depth Collar Knob is used to loosen and tighten the Depth Collar so that it can be used to slide up and down the motor shaft.

**⚠ WARNING**

When the motor is being transported, it is important to place the Depth Collar snug against the Steering Housing and tighten. This provides a secure stow and holds the motor in place during transportation when it is subject to high levels of shock and vibration. Failure to secure the motor may result in injury or damage to the unit.

### Deploy-Assist Lever

The Deploy-Assist Lever is located at the top of the mount when the motor is in the stowed position. The Deploy-Assist Lever functions to unlatch the motor when it is stowed and press on the Latch Collar to assist in deploying the motor. The Deploy-Assist Lever also captures the Latch Collar when the motor is stowed, holding the motor in place so it can be secured with the Depth Collar.

©2026 Johnson Outdoors Marine Electronics, Inc.

## Latch Collar

The Latch Collar is located on the motor shaft just above the Lower Unit. It functions to help secure the motor in place while it is stowed. When stowed the Latch Collar is captured in the Deploy-Assist Lever.

**⚠ WARNING**

When stowing or deploying the motor, keep fingers clear of all hinge and pivot points and all moving parts.

## Tilt Lock Lever

The Tilt Lock Lever is located at the base of the mount opposite of the Lower Unit. The Tilt Lock Lever is used to unlatch the Steering Housing from the stowed position so the motor can be tilted, pulled upwards and stowed.

## Mount Ramp

The Mount Ramp functions to hold the Lower Unit in place when the motor is stowed. The Lower Unit will rest on the Mount Ramp when stowed, helping to secure it in place.

**⚠ WARNING**

When the motor is being transported, it is important to place the Depth Collar snug against the Steering Housing and tighten. This provides a secure stow and holds the motor in place during transportation when it is subject to high levels of shock and vibration. Failure to secure the motor may result in injury or damage to the unit.

STOWING AND DEPLOYING THE MOTOR

## To Deploy the Motor

Loosen the Depth Collar, then push firmly down on the Deploy-Assist Lever to release the Latch Collar and slide the motor forward, out from the Mount Ramp. Lower the motor to the desired depth. Make sure it clicks into a secure, vertical position. Once at the desired depth, slide the Depth Collar against the Steering Housing and tighten.

**⚠ WARNING**

When stowing or deploying the motor, keep fingers clear of all hinge and pivot points and all moving parts. Practice proper ergonomics when stowing and deploying the motor to prevent injury.

## To Stow the Motor

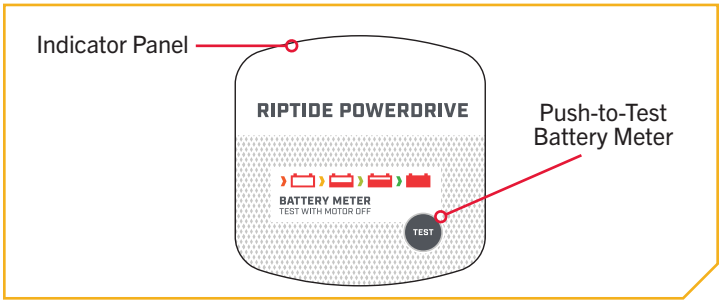
Loosen the Depth Collar and depress the Tilt Lock Lever and raise the motor by pulling up on the composite shaft or control head. Pull the motor toward the stern until it rests securely on the Mount Ramp and the Deploy-Assist Lever captures the Latch Collar. Slide the Depth Collar down and secure it against the top of the Steering Housing to secure the motor in place and prevent accidental deployment.


©2026 Johnson Outdoors Marine Electronics, Inc.

## PUSH-TO-TEST BATTERY METER

This motor is equipped with a Push-to-Test Battery Meter. The LED lights are located on the Indicator Panel on the Mount of the motor. The Battery Meter provides an accurate display of the remaining charge in the battery. It is only accurate when the motor is off. The meter reads as follows:

- One light indicates recharge.
- Two lights indicate low charge.
- Three lights indicate good charge.
- Four lights indicate full charge.




## ADVANCED GPS NAVIGATION

The Riptide PowerDrive comes with Advanced GPS Navigation. Advanced GPS Navigation offers popular trolling motor control features, including Spot-Lock, AutoPilot, Drift Mode, Dodge Mode, and Cruise Control. Trolling motors with Advanced GPS Navigation pair with Minn Kota fish finders to use the power of the Minn Kota System to enhance motor control, display detailed maps, and built-in sonar powered by Humminbird Imaging. The Minn Kota System seamlessly integrates what your fish finder sees with what your trolling motor does, turning sonar and mapping data into auto-navigation and precise boat positioning so you can stay focused on fishing. Advanced GPS Navigation features are controlled with either the Wireless Remote, Minn Kota Fishing App, or Minn Kota fish finder. 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.

©2026 Johnson Outdoors Marine Electronics, Inc.

MOTOR ADJUSTMENTS ›

## Adjusting the Depth of the Motor

Once the boat is on the water, it may be necessary to adjust the Lower Unit up or down to achieve an optimum depth for motor performance. When setting the depth of the motor, be sure the top of the motor is submerged at least 12” below the surface of the water to avoid churning or agitation of surface water.

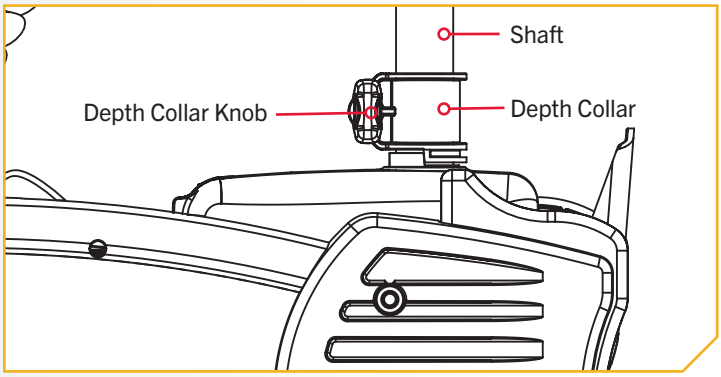
**1**

a. With the motor in the deployed position, locate the Depth Collar on the Shaft above the Steering Housing.

b. While holding the Shaft, loosen the Depth Collar Knob until the Shaft can slide up and down freely.

**⚠ WARNING**

The Control Head will create a pinch point if the Depth Collar Knob is loosened and the Control Head slides to the top of the Depth Collar. Grasp the Shaft and prevent it from sliding all the way down to prevent the pinch point.



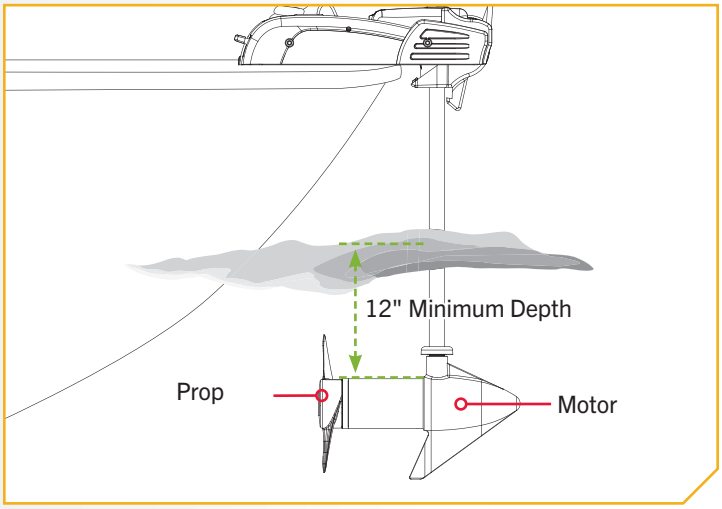

**2**

c. Raise or lower the motor to the desired depth.

d. Turn the motor control head to the desired position.

e. Slide the Depth Collar against the Steering Housing and tighten the Depth Collar Knob to secure the motor in place.

**NOTICE:** Be sure the top of the motor is submerged at least 12” below the surface of the water to avoid churning or agitation of surface water.





©2026 Johnson Outdoors Marine Electronics, Inc.

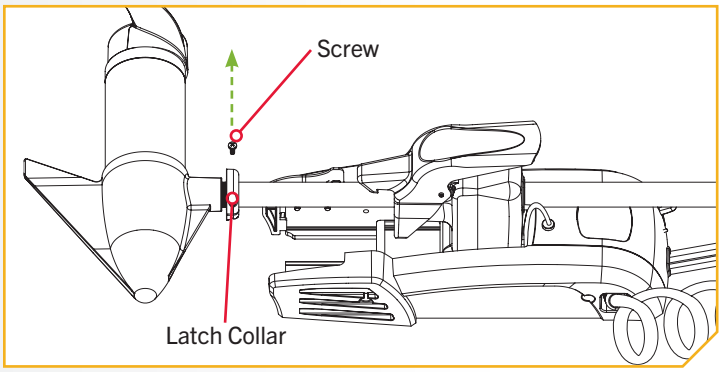
## Adjusting the Latch Collar

Once the motor has been used, it may be necessary to adjust the Latch Collar up or down. The ideal adjustment is a slightly loose fit that completely captures the Latch Collar in the Deploy Assist Lever when stowed.

**1**

a. With the motor in the stowed position, locate the Latch Collar.

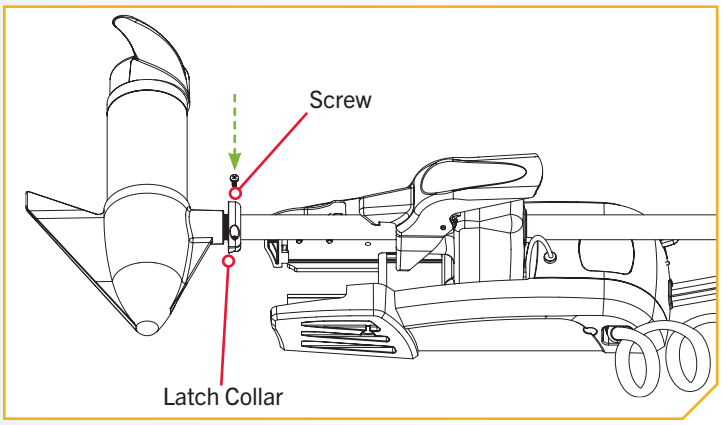
b. Using a #2 Phillips Screwdriver, loosen the screw securing the Latch Collar in place.




**2**

c. Rotate the Latch Collar so it fits comfortably within the hold of the Deploy Assist Lever.

d. Re-tighten the screw to secure the Latch Collar in place.




©2026 Johnson Outdoors Marine Electronics, Inc.

## Installing an External Transducer

An external transducer is not included with your trolling motor. An external transducer can be installed onto the motor.

**1**

a. Mount the External Transducer according to directions provided with the transducer.

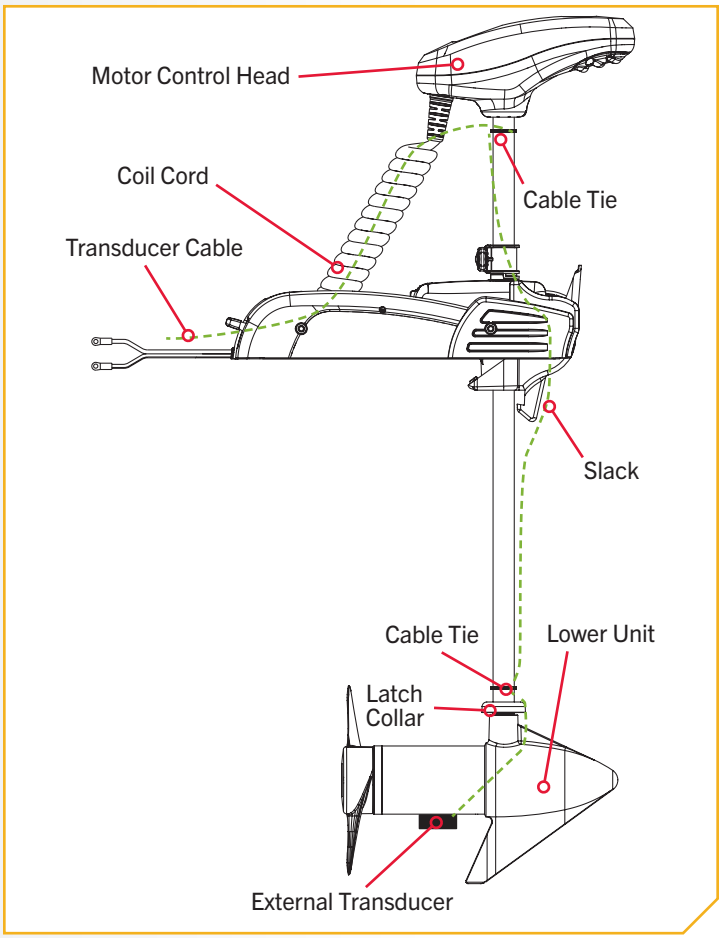
b. Leave enough slack in the Transducer Cable between the Lower Unit and Motor Control Head to allow the motor to properly stow and deploy.

c. Use two Cable Ties to secure the Transducer Cable to the Shaft just above the Latch Collar and just below the Motor Control Head.

d. Run the Transducer Cable through the Coil Cord to the fish finder.

**⚠ CAUTION**

Not following the recommended wire routing for the External Transducer may cause damage to the product and void your product warranty. Take care to test the length and placement of cable to be sure that there is enough slack where needed and that cables are free of being entangled in moving parts. Routing the cables in any way other than directed may cause damage to the cables by being pinched or severed.





©2026 Johnson Outdoors Marine Electronics, Inc.

## Adjusting the Lower Unit for a Secure Stow

When the Motor is stowed, the Lower Unit should rest on the Mount Ramp, a part of the Motor Mount. It is recommended to secure the motor using the following instructions to avoid damage to the motor and shaft from vibrations during transport.

**1**

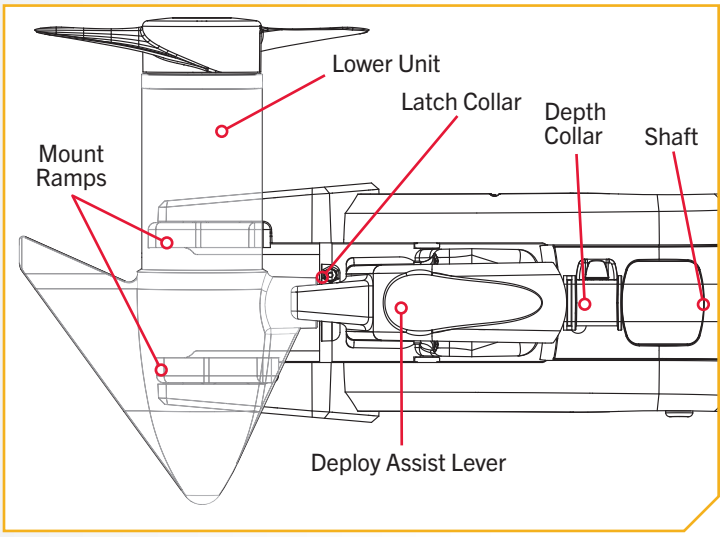
a. Before transporting the boat over water or land, stow the motor to determine where the Lower Unit rests on the Mount Ramp.

**NOTICE:** The correct positioning of the Lower Unit will place it directly on the Mount Ramps.

b. If the Lower Unit does not sit on the Mount Ramps, refer to the Adjusting the Latch Collar section of this manual. Making adjustments to the Latch Collar will help the Lower Unit stay on the Mount Ramps as it is captured by the Deploy Assist Lever.

**⚠ CAUTION**

The Lower Unit should be placed on the Mount Ramps every time the motor is transported. If the Lower Unit is improperly placed, either above or below the Motor Rest Area, damage to the Lower Unit or Shaft will occur and the Shaft will be incorrectly captured. Not following the recommended placement for the Lower Unit will cause damage to the product and void your product warranty.




**NOTICE:** Slide the Depth Collar down and secure it against the top of the Steering Housing when stowed to secure the motor in place and prevent accidental deployment.

**⚠ WARNING**

When the motor is stowed the depth collar must be positioned against the steering housing and tightened in place with the knob to prevent accidental deployment which may result in injury or damage to the trolling motor, accessories or boat.

©2026 Johnson Outdoors Marine Electronics, Inc.

# SERVICE & MAINTENANCE

## PROP REPLACEMENT

**TOOLS AND RESOURCES REQUIRED**

- 9/16” Open End Wrench
- Flat Blade Screwdriver

**INSTALLATION**

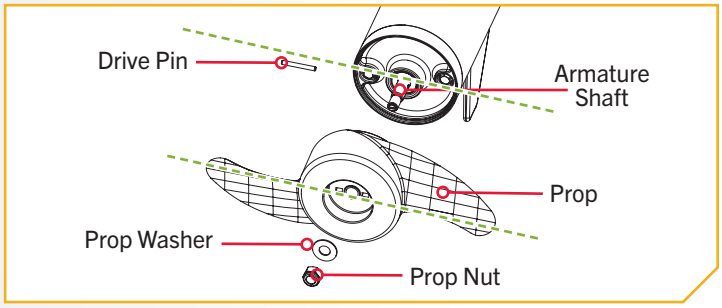
**1**

a. Disconnect the motor from all sources of power prior to changing the Prop.

b. Hold the Prop and loosen the Prop Nut with a pliers or a wrench.

c. Remove the Prop Nut and Prop Washer.

**NOTICE:** If the Drive Pin is sheared or broken, you will need to hold the shaft stationary with a flat blade screwdriver pressed into the slot on the end of the shaft while you loosen the Prop Nut.




**⚠ CAUTION**

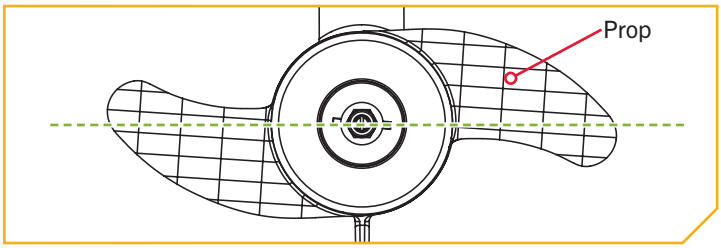
Disconnect the motor from the battery before beginning any prop work or maintenance.

**2**

d. Turn the old prop to horizontal and pull it straight off. If drive pin falls out, push it back in.

**⚠ CAUTION**

If the prop does not readily slide off, take care not to bend the Armature Shaft while removing the prop by pulling the prop evenly off the Armature Shaft.




**3**

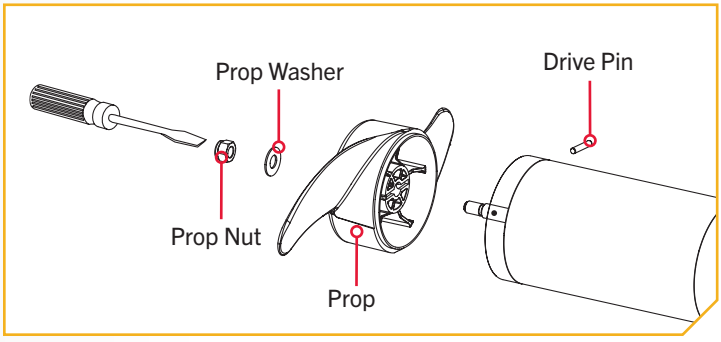
e. Align the new Prop with the Drive Pin.

f. Install the Prop Washer and Prop Nut.

g. Tighten the Prop Nut 1/4 turn past snug at 25-35 inch-lbs.

**⚠ CAUTION**

Do not over tighten as this can damage the prop.





©2026 Johnson Outdoors Marine Electronics, Inc.

## GENERAL MAINTENANCE

After every use, the entire motor should be rinsed with freshwater, then wiped down with a cloth dampened with an aqueous-based silicone spray.

- Do not spray water into the ventilation openings in the head of the motor.
- The composite shaft requires periodic cleaning and lubrication for proper retraction and deployment. A coating of an aqueous- based silicone spray will improve operation.
- The Prop must be inspected and cleaned of weeds and fishing line after every use. Fishing line and weeds can get behind the prop, damage the seals and allow water to enter the motor.
- Verify the prop nut/anode is secure each time the motor is used.
- To prevent accidental damage during transportation or storage, disconnect the battery whenever the motor is off of the water.
- For prolonged storage, lightly coat all metal parts with an aqueous based silicone spray.
- For maximum battery life, recharge the battery(s) as soon as possible after use. For maximum motor performance, restore battery to full charge prior to use.
- Keep battery terminals clean with fine sandpaper or emery cloth (flooded lead acid only).
- The Prop is designed to provide optimum operation with very high efficiency. To maintain this top performance, the leading edge of the blades must be kept smooth. If they are rough or nicked from use, restore to smooth by sanding with fine sandpaper.
- Stow the motor after each use to allow water to drain from the steering housing. Water that sits in the steering housing when the motor is not in use may cause damage.

## TROUBLESHOOTING

1. Motor fails to run or lacks power:
   - Check battery connections for proper polarity.
   - Make sure terminals are clean and corrosion free. Use fine sandpaper or emery cloth to clean terminals.
   - Check battery water level. Add water if needed.
2. Motor loses power after a short running time:
   - Check battery charge. If low, restore to full charge.
3. You experience prop vibration during normal operation:
   - Remove and rotate the prop 180°. See removal instructions in the Prop Replacement Section.
4. Experiencing interference with your fish finder:
   - You may, in some applications, experience interference in your depth finder display. We recommend that you use a separate deep cycle marine battery for your trolling motor and that you power the depth finder from the starting/cranking battery. If problems still persist contact Technical Support.

**NOTICE:** For all other malfunctions, visit an Authorized Service Center. You can search for an Authorized Service Center in your area by visiting minnkota.johnsonoutdoors.com.

©2026 Johnson Outdoors Marine Electronics, Inc.

FOR FURTHER TROUBLESHOOTING AND REPAIR

Minn Kota offers several options to help you troubleshoot and/or repair your product. Please read through the options listed below.

## Buy Parts Online

You can buy parts online directly from our website at minnkota.johnsonoutdoors.com. From screws to sideplates, you can order replacement parts for your Minn Kota products.

## Frequently Asked Questions

Find answers to general inquiries, battery and rigging installation, and networking scenarios. We have FAQs available on our website at minnkota.johnsonoutdoors.com to help answer all of your Minn Kota questions.

## Contact Us

You can contact our consumer service department with questions regarding your Minn Kota products. To inquire, visit minnkota.johnsonoutdoors.com.

## Authorized Service Centers

Minn Kota has over 1,100 authorized service centers in the United States and Canada where you can purchase parts or get your products repaired. Please visit our website to locate a service center in your area at minnkota.johnsonoutdoors.com/us/support/service-providers/locate.

Scan to visit Minn Kota service online.



©2026 Johnson Outdoors Marine Electronics, Inc.

# COMPLIANCE STATEMENTS

## ENVIRONMENTAL COMPLIANCE STATEMENT

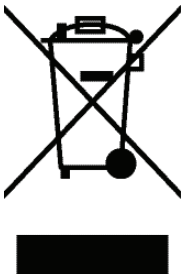
It is the intention of JOME to be a responsible corporate citizen, operating in compliance with known and applicable environmental regulations, and a good neighbor in the communities where we make or sell our products.

## WEEE DIRECTIVE

EU Directive 2002/96/EC “Waste of Electrical and Electronic Equipment Directive (WEEE)” impacts most distributors, sellers, and manufacturers of consumer electronics in the European Union. The WEEE Directive requires the producer of consumer electronics to take responsibility for the management of waste from their products to achieve environmentally responsible disposal during the product life cycle.

WEEE compliance may not be required in your location for electrical & electronic equipment (EEE), nor may it be required for EEE designed and intended as fixed or temporary installation in transportation vehicles such as automobiles, aircraft, and boats. In some European Union member states, these vehicles are considered outside of the scope of the Directive, and EEE for those applications can be considered excluded from the WEEE Directive requirement.

This symbol (WEEE wheelie bin) on product indicates the product must not be disposed of with other household refuse. It must be disposed of and collected for recycling and recovery of waste EEE. Johnson Outdoors Inc. will mark all EEE products in accordance with the WEEE Directive. It is our goal to comply in the collection, treatment, recovery, and environmentally sound disposal of those products; however, these requirements do vary within European Union member states. For more information about where you should dispose of your waste equipment for recycling and recovery and/or your European Union member state requirements, please contact your dealer or distributor from which your product was purchased.



## DISPOSAL

Minn Kota motors are not subject to the disposal regulations EAG-VO (electric devices directive) that implements the WEEE directive. Nevertheless never dispose of your Minn Kota motor in a garbage bin but at the proper place of collection of your local town council.

Never dispose of battery in a garbage bin. Comply with the disposal directions of the manufacturer or his representative and dispose of them at the proper place of collection of your local town council.

## REGULATORY COMPLIANCE INFORMATION

### Advanced GPS Navigation

For regulatory information on motors that come factory installed with Advanced GPS Navigation, please refer to the Advanced GPS Navigation Owner's Manual on-line at minnkota.johnsonoutdoors.com.

©2026 Johnson Outdoors Marine Electronics, Inc.

## FCC COMPLIANCE

This device complies with Part 15 of the FCC rules. **Operation is subject to the following two conditions:**

1. This device may not cause harmful interference.
2. This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Johnson Outdoors Marine Electronics, Inc. could void the user's authority to operate this equipment.

**NOTICE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. **If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:**

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## INDUSTRY CANADA COMPLIANCE

This product meets the applicable Industry Canada technical specifications.  Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by Johnson Outdoors Marine Electronics, Inc. could void the user's authority to operate this equipment.

## ENVIRONMENTAL RATINGS

Ambient operating temperature range: -10C to 50C
Ambient operating humidity range: 5% to 95%
Maximum operating altitude: 10,000 feet


©2026 Johnson Outdoors Marine Electronics, Inc.

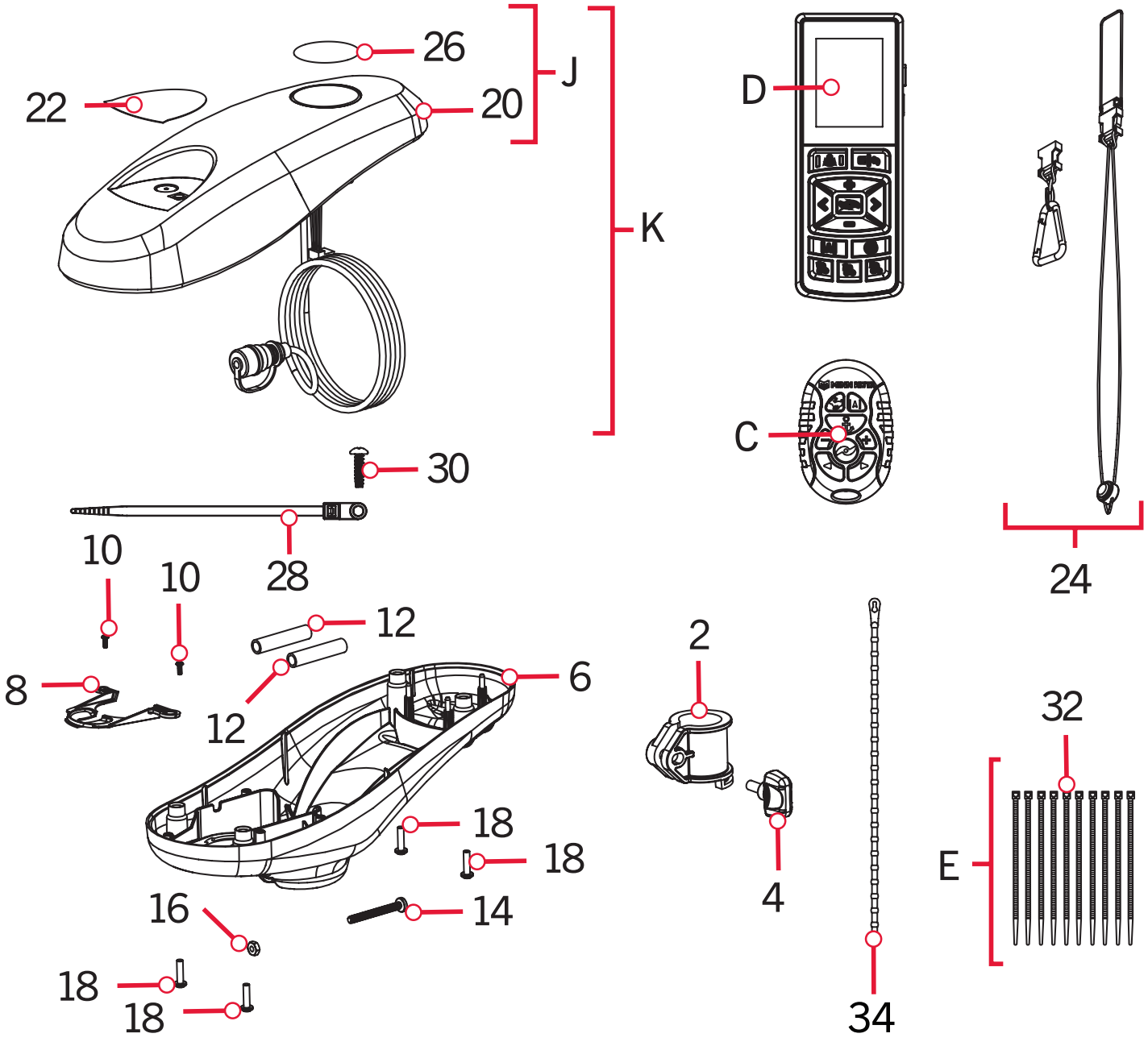
# PARTS DIAGRAM & PARTS LIST

## RIPTIDE POWERDRIVE - 55/70 LBS THRUST - 12/24 VOLT - 48”/54” SHAFT

The parts diagram and parts list provides Minn Kota® WEEE compliance disassembly instructions. For more information about where you should dispose of your waste equipment for recycling and recovery and/or your European Union member state requirements, please contact your dealer or distributor from which your product was purchased. Tools required, but not limited to: flat head screwdriver, Phillips screwdriver, socket set, pliers, wire cutters.

**RIPTIDE POWERDRIVE CONTROL HEAD**

### Control Head Parts Diagram




©2026 Johnson Outdoors Marine Electronics, Inc.

## Control Head Parts List

| Assembly | Part # | Description | Notes | Quantity |
|---|---|---|---|---|
| J | 2770243 | CVR KIT, ADV GPS NAV, RT TRV | *GPS COVER & DECALS ONLY* | 1 |
| K | 2774121 | CTRL KIT 4.0, DB RT PD | *GPS COVER AND ELECTRONICS* | 1 |
| E | 2996300 | TIE WRAP ASM, 60" | | 1 |
| C | 2994102 | ASSY, REMOTE, MICRO MK | | 1 |
| D | 411690-1A | WIRELESS REMOTE | | 1 |
| **Item** | **Part #** | **Description** | **Notes** | **Quantity** |
| 2 | 2031522 | COLLAR DRIVE (W/INSERT) | | 1 |
| 4 | 2011366 | SCREW-COLLAR/NEW KNOB(SS) | *SALTWATER* | 1 |
| 6 | 2292506 | CONTROL BOX SW SP/V3 | *SALTWATER* | 1 |
| 8 | 2224707 | PLUG, SCREW-DOWN, WHT | | 1 |
| 10 | 2203441 | SCREW-#6 X 1/2" THRD FORM, SSTL | | 2 |
| 12 | 2305402 | SHRINK TUBE-.374 OD X 2.25" | *SALTWATER* | 2 |
| 14 | 2263406 | SCREW-#10-24 X 2" S/S PPH | | 1 |
| 16 | 2333101 | NUT-HEX #10-24 UNC-2B NYL SS | *SALTWATER* | 1 |
| 18 | 2372100 | SCREW-#8-18 X 5/8 THD* (SS) | | 4 |
| 20 | 2290213 | COVER, CTRL BOX RT PD PRINTED | *GPS* | 1 |
| 22 | 2395593 | DECAL, PUSH BTN TOP, SW, GENERIC | | 1 |
| | 2395578 | DECAL, PUSH BUTTON TOP, 55 lb, PD, SW | *GPS* | 1 |
| | 2395579 | DECAL, PUSH BUTTON TOP, 70 lb, PD, SW | *GPS* | 1 |
| 24 | 2390802 | LANYARD W/CARABINR,IP RMT | *GPS* | 1 |
| 26 | 2395529 | DECAL, DOMED SW | *GPS* | 1 |
| 28 | 2206302 | TIE WRAP, SCREW MOUNT 6.3” | | 1 |
| 30 | 2203441 | SCREW-#6 X ½” THRD FORM,SSTL | | 1 |
| 32 | 2206300 | TIE WRAP, LOW PROFILE 4" | | 10 |
| 34 | 2206305 | TIE WRAP, REUSABLE, RED 8" | | 1 |
| ▲ | 2397110 | MANUAL, IPILOT 4.0 | *GPS* | 1 |
| ▲ | 2397117 | GUIDE-QCK REFERENCE IP 4.0 | *GPS* | 1 |
| ▲ | 2015800 | HANG TAG "CAUTION... TILT HINGE" | | 1 |
| ▲ | 2317132 | INSTRC-INSTALL, RT PD B-27 | | 1 |
| ▲ | 2317131 | MANUAL, RT POWERDRIVE B-27 | | 1 |
| ▲ | 2394912 | QCK REF.GUIDE, iP MICRO RMT BT | *GPS* *MICRO* | 1 |
| ▲ | 2317133 | CHECKLIST, RT POWERDRIVE B-27 | | 1 |
| ▲ | 2375535 | DECAL, VENT PATCH | | 1 |
| ▲ | 2375719 | DECAL, WARNING - COIN CEL BATTERY | | 1 |
| ▲ | 2394910 | INSTRC. SHEET, MICRO REMO | *GPS* *MICRO* | 1 |

▲ *Not shown on Parts Diagram.*

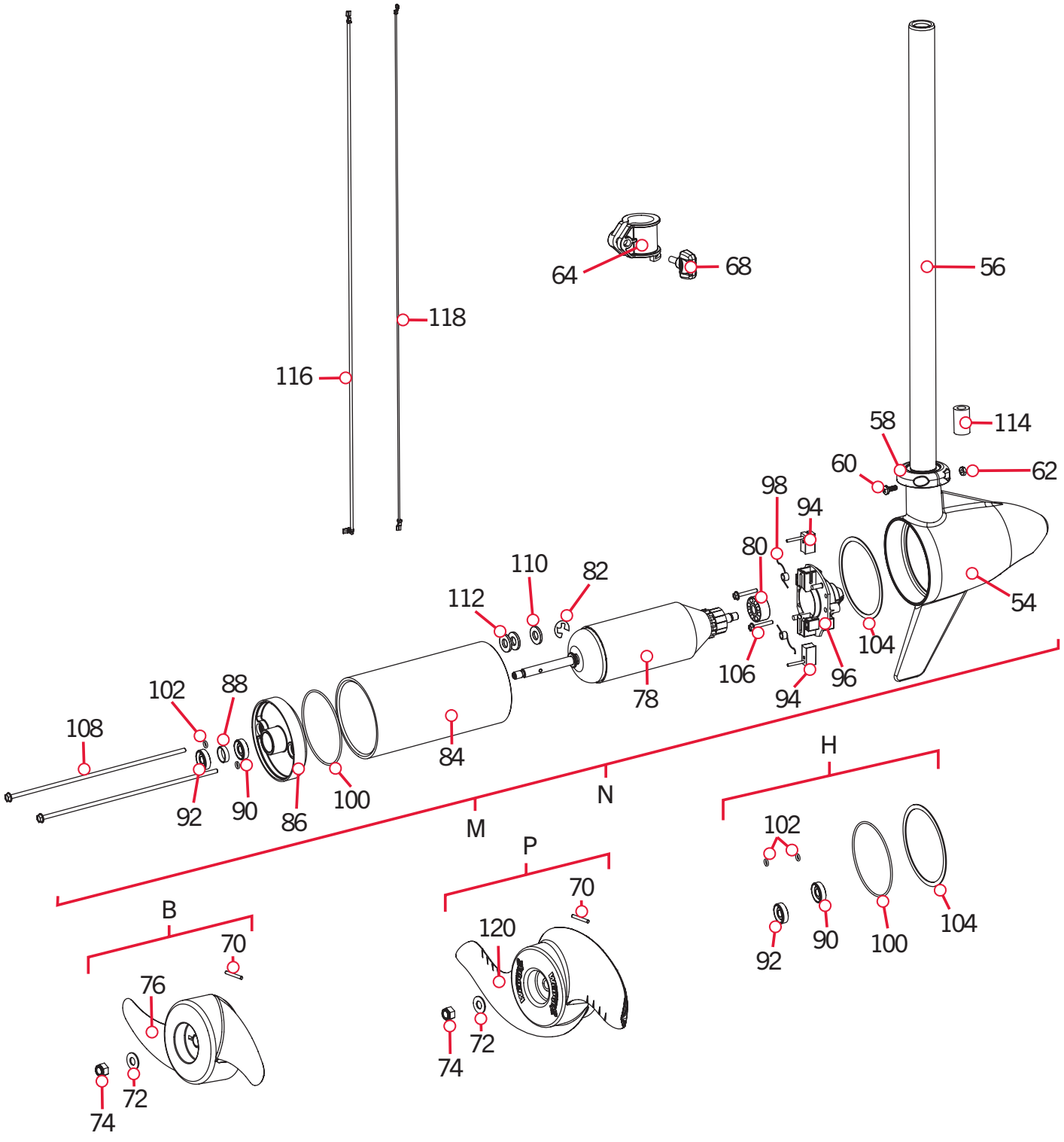
✖ *This part is included in an assembly and cannot be ordered individually.*



©2026 Johnson Outdoors Marine Electronics, Inc.

RIPTIDE POWERDRIVE MOTOR ›

## › 12 Volt 3.625" 55lb Thrust Motor Parts Diagram




©2026 Johnson Outdoors Marine Electronics, Inc.

## 12 Volt 3.625" 55lb Motor Parts List

| Assembly | Part # | Description | Notes | Quantity |
|---|---|---|---|---|
| M | 2097091 | MTR ASY 12V 3.62 VS 55# | *SALTWATER* *55LB* *54"* | 1 |
| N | 2097089 | MTR ASY 12V 3.62 VS 55# SW | *SALTWATER* *55LB* *65"* | 1 |
| B | 1378170 | PROP KIT 2091170 PWR PRP | | 1 |
| H | 2888460 | SEAL & O-RING KIT | *3.625* | 1 |
| P | 1378131 | PROP IND 2061125 WDLS WDG | *NOT INCLUDED FROM THE FACTORY* | 1 |
| **Item** | **Part #** | **Description** | **Notes** | **Quantity** |
| 54 | 421-336 | HSG BRUSH END 3.62 WHITE | *SALTWATER* | 1 |
| 56 | 2002001 | PULT-MGW1.13-.56-54TH | *55LB* *54"* | 1 |
| | 2002003 | PULT-MGW1.13-.56-65TH | *55LB* *65"* | 1 |
| 58 | 2301555 | COLLAR-LATCH, PD/AP | | 1 |
| 60 | 2303434 | SCREW-#8-32 X 5/8 MACH PHCR SS | | 1 |
| 62 | 2303112 | NUT-#8-32 NYLOCK SS | | 1 |
| 64 | 2031522 | COLLAR DRIVE (W/INSERT) | | 1 |
| 68 | 2011366 | SCREW-COLLAR/NEW KNOB(SS) | *SALTWATER* | 1 |
| 70 | 2092602 | PIN-DRIVE 1.06" 1/8 SS 17-4 | | 1 |
| 72 | 2151726 | WASHER-5/16 STD (S/S) | | 1 |
| 74 | 2053101 | NUT-PROP,NYLOC (MED) 5/16 SS | | 1 |
| 76 | 2091170 | PROP-PWR (3 5/8") REAMED | | 1 |
| 78 | 92-100-117 | ARM ASY 12V 3.62 55#2.88" | | 1 |
| 80 | 140-010 | BALL BEARING | | 1 |
| 82 | 788-015 | RETAINING RING | | 1 |
| 84 | 92-200-302 | CTR HSG ASY 3.6 MAGNETIZED | | 1 |
| 86 | 92-400-337 | PLAIN END HSG ASY 3.6 TX/W | | 1 |
| 88 | 144-049 | BEARING - FLANGE (SERVICE ONLY) | | 1 |
| 90 | 880-003 | SEAL | | 1 |
| 92 | 880-006 | SEAL WITH SHIELD | | 1 |
| 94 | 188-036 | BRUSH ASSEMBLY 3.625 55# | | 2 |
| 96 | 738-036 | BRUSH PLATE WITH HOLDER 3.625 | | 1 |
| 98 | 975-040 | SPRING-TORSION | | 2 |
| 100 | 701-081 | O-RING | | 1 |
| 102 | 701-008 | O-RING | *THRU BOLT* | 2 |
| 104 | 337-036 | GASKET | | 1 |
| 106 | 830-007 | SCREW, # 8-32 | | 2 |
| 108 | 830-142 | THRU BOLT 10-32 X 8.83 | *55LB* | 2 |

▲ *Not shown on Parts Diagram.*

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


©2026 Johnson Outdoors Marine Electronics, Inc.

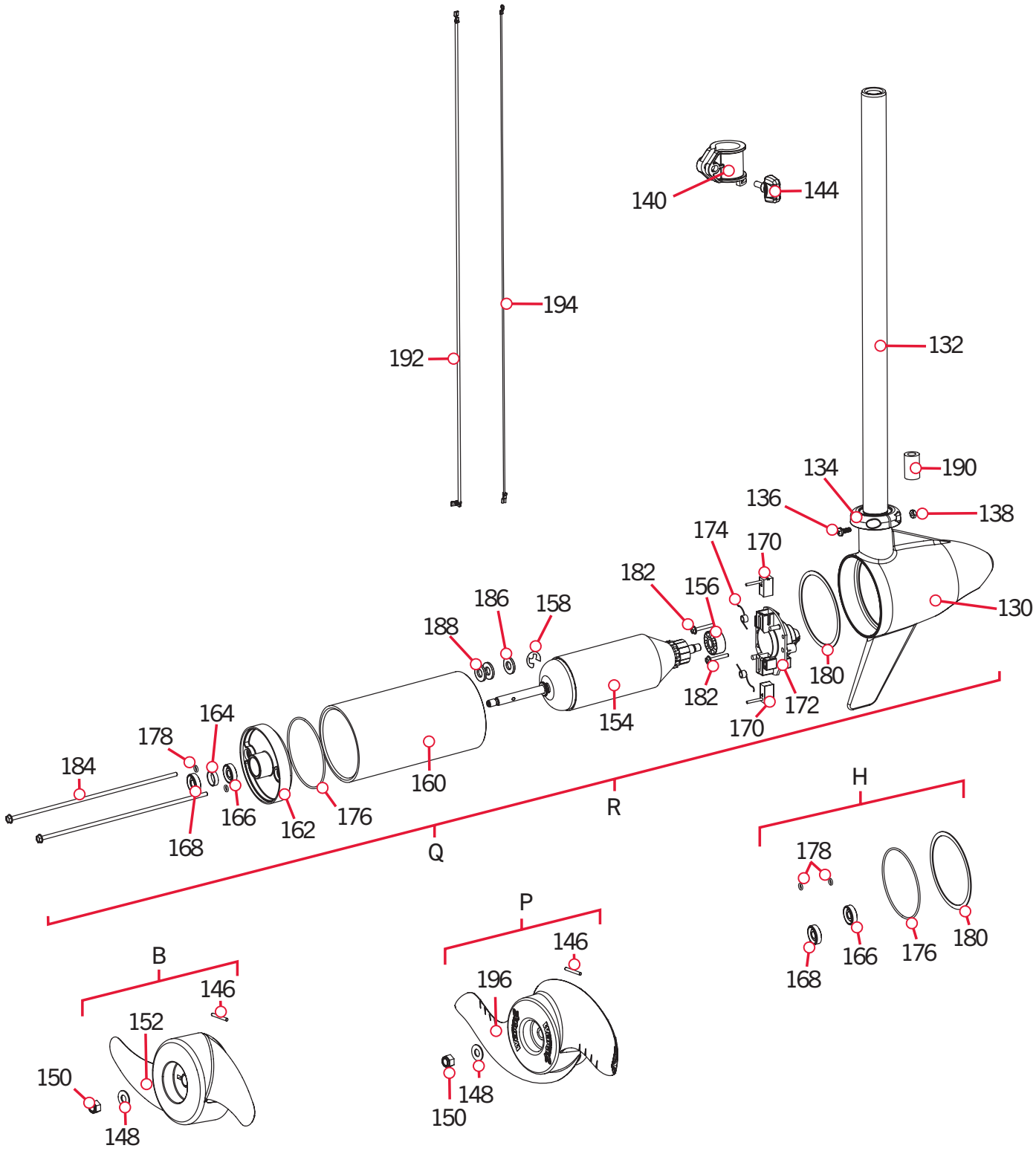
| Item | Part # | Description | Notes | Quantity |
|---|---|---|---|---|
| 110 | 990-067 | WASHER - STEEL THRUST | | 1 |
| 112 | 990-070 | WASHER - NYLATRON | | 2 |
| 114 | 2307317 | BEAD-FERRITE, SHORT | | 1 |
| 116 | 640-107MX | LEADWIRE RED 10AWG 65-1/2" GPT | *55LB* *54"* | 1 |
| | 640-156M | LDWIRE RED 10 AWG 76.375GPT | *55LB* *65"* | 1 |
| 118 | 640-008MX | LEADWIRE BLK 10AWG 63-1/2" GPT | *55LB* *54"* | 1 |
| | 640-056M | LEADWIRE BLK 10 AMP 75" GPT | *55LB* *65"* | 1 |
| 120 | 2091160 | PROP (65 WEEDLESS WEDGE) | *NOT INCLUDED FROM THE FACTORY* | 1 |

▲ *Not shown on Parts Diagram.*

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

©2026 Johnson Outdoors Marine Electronics, Inc.

## 24 Volt 3.625" 70lb Motor Parts Diagram





©2026 Johnson Outdoors Marine Electronics, Inc.

## 24 Volt 3.625" 70lb Motor Parts List

| Assembly | Part # | Description | Notes | Quantity |
|---|---|---|---|---|
| Q | 2096069 | MTR ASY 24V 3.62 VS 70#SW | *SALTWATER* *70LB* *54"* | 1 |
| R | 2096070 | MTR ASY 24V 3.62 VS 70# SW 65" | *SALTWATER* *70LB* *65"* | 1 |
| B | 1378170 | PROP KIT 2091170 PWR PRP | | 1 |
| H | 2888460 | SEAL & O-RING KIT | *3.625* | 1 |
| P | 1378131 | PROP IND 2061125 WDLS WDG | *NOT INCLUDED FROM THE FACTORY* | 1 |
| **Item** | **Part #** | **Description** | **Notes** | **Quantity** |
| 130 | 421-336 | HSG BRUSH END 3.62 WHITE | *SALTWATER* | 1 |
| 132 | 2002001 | PULT-MGW1.13-.56-54TH | *SALTWATER* *54"* | 1 |
| | 2002003 | PULT-MGW1.13-.56-65TH | *SALTWATER* *65"* | 1 |
| 134 | 2301555 | COLLAR-LATCH, PD/AP | | 1 |
| 136 | 2303434 | SCREW-#8-32 X 5/8 MACH PHCR SS | | 1 |
| 138 | 2303112 | NUT-#8-32 NYLOCK SS | | 1 |
| 140 | 2031522 | COLLAR DRIVE (W/INSERT) | | 1 |
| 144 | 2011366 | SCREW-COLLAR/NEW KNOB(SS) | *SALTWATER* | 1 |
| 146 | 2092602 | PIN-DRIVE 1.06" X 1/8 SS 17-4 | | 1 |
| 148 | 2151726 | WASHER-5/16 STD (S/S) | | 1 |
| 150 | 2053101 | NUT-PROP,NYLOC (MED) 5/16 SS | | 1 |
| 152 | 2091170 | PROP-PWR (3 5/8") REAMED | | 1 |
| 154 | 92-100-128 | ARM ASSY 24V 3.62 70# | | 1 |
| 156 | 140-010 | BALL BEARING | | 1 |
| 158 | 788-015 | RETAINING RING | | 1 |
| 160 | 92-200-307 | CTR HSG ASM 3.6" SW MAGNETIZED | | 1 |
| 162 | 92-400-337 | PLAIN END HSG ASY 3.6 TX/W | | 1 |
| 164 | 144-049 | BEARING - FLANGE | *SERVICE ONLY* | 1 |
| 166 | 880-003 | SEAL | | 1 |
| 168 | 880-006 | SEAL WITH SHIELD | | 1 |
| 170 | 188-038 | BRUSH ASSEMBLY 3.625 70# 6H3 | | 2 |
| 172 | 9-738-038 | BRUSH PLATE WITH HOLDER 3.625, #70 LOWER UNIT | | 1 |
| 174 | 975-042 | SPRING-TORSION | | 2 |
| 176 | 701-081 | O-RING | | 1 |
| 178 | 701-008 | O-RING THRU BOLT | *THRU BOLT* | 2 |
| 180 | 337-036 | GASKET | | 1 |
| 182 | 830-007 | SCREW, # 8-32 | | 2 |
| 184 | 830-108 | THRU BOLT 10-32 x 9.205 70LB | | 2 |
| 186 | 990-067 | WASHER - STEEL THRUST | | 1 |

▲ *Not shown on Parts Diagram.*

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

©2026 Johnson Outdoors Marine Electronics, Inc.

## PARTS DIAGRAM & PARTS LIST

| Item | Part # | Description | Notes | Quantity |
|---|---|---|---|---|
| 188 | 990-070 | WASHER - NYLATRON | | 2 |
| 190 | 2307314 | BEAD-FERRITE | | 1 |
| 192 | 640-106M | LEADWIRE RED 10 AWG 64 GPT | *70LB* *54"* | 1 |
| | 640-156M | LDWIRE RED 10 AWG 76.375GPT | *70LB* *65"* | 1 |
| 194 | 640-008MX | LEADWIRE BLK 10AWG 63-1/2" GPT | *70LB* *54"* | 1 |
| | 640-056M | LEADWIRE BLK 10 AMP 75" GPT | *70LB* *65"* | 1 |
| 196 | 2061125 | PROP (65 WEEDLESS WEDGE) | *NOT INCLUDED FROM THE FACTORY* | 1 |

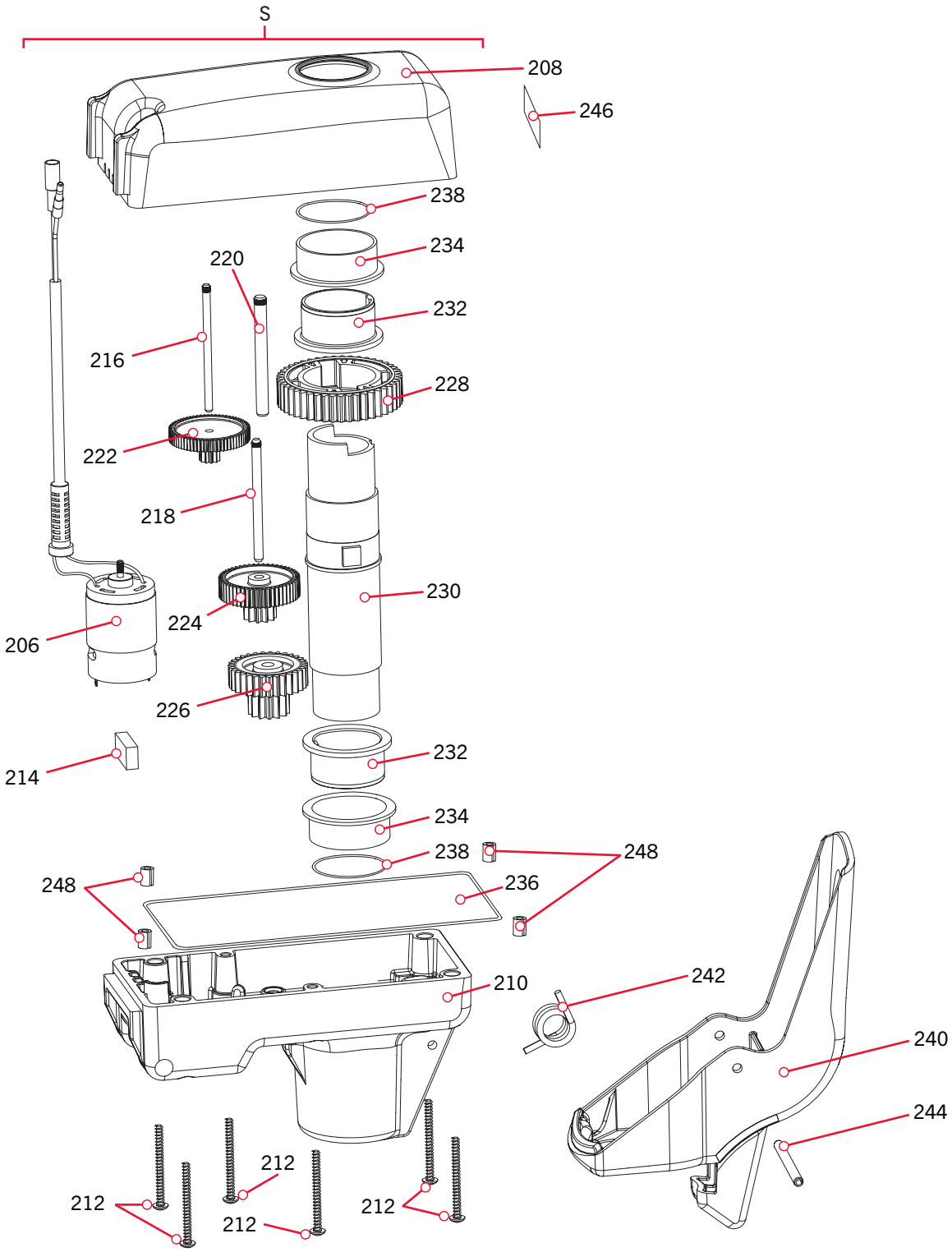
▲ *Not shown on Parts Diagram.*

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


©2026 Johnson Outdoors Marine Electronics, Inc.

RIPTIDE POWERDRIVE STEERING HOUSING

## Steering Housing Parts Diagram




©2026 Johnson Outdoors Marine Electronics, Inc.

## Steering Housing Parts List

| Assembly | Part # | Description | Notes | Quantity |
|---|---|---|---|---|
| S | 2771827 | DRIVE HOUSING ASSY, RT SP | | 1 |
| **Item** | **Part #** | **Description** | **Notes** | **Quantity** |
| 206 | 2777050 | MOTOR DR.HSG PD/AP 12,24V | | 1 |
| 208 | 2302543 | CASE-UPPER,ALUM, SW - WHITE | | 1 |
| 210 | 2302562 | CASE-LOWER, ALUM, SW - WHITE | | 1 |
| 212 | 2303408 | SCREW-#8-32 TYPE F TORX PH SS | | 6 |
| 214 | 2308601 | BREATHER FILTER, DR.HOUSING | | 1 |
| 216 | 2302610 | SHAFT-GEAR, FIRST CLUSTER | | 1 |
| 218 | 2302615 | SHAFT-GEAR,INTERMED.CLUSTER | | 1 |
| 220 | 2302620 | SHAFT-GEAR, THIRD CLUSTER | | 1 |
| 222 | 2302245 | GEAR & PINION,DR. HSG, STAGE 2 | | 1 |
| 224 | 2302250 | GEAR & PINION,DR. HSG, STAGE 3 | | 1 |
| 226 | 2302255 | GEAR & PINION,DR. HSG, STAGE 4 | | 1 |
| 228 | 2302260 | GEAR-OUTPUT SHAFT,STG 5 | | 1 |
| 230 | 2302010 | SHAFT-OUTPUT, DR.HOUSING | | 1 |
| 232 | 2307304 | BUSHING-INNER, UPPER/LOWER | | 2 |
| 234 | 2307305 | BUSHING-OUTER, UPPER/LOWER | | 2 |
| 236 | 2304603 | O-RING-SHAFT SEAL UPPER/LOW | | 2 |
| 238 | 2304604 | O-RING-CASE SEAL | | 1 |
| 240 | 2307201 | LEVER,GRIP GLIDE II | | 1 |
| 242 | 2302750 | SPRING-LATCH,TORSION,PD/AP,S/S | | 1 |
| 244 | 2302628 | PIN-ROLL,3/16 X 2.5" SS | | 1 |
| 246 | 2315615 | DECAL-STOW/DEPLOY,PWRDRV3 | | 1 |
| 248 | 2302605 | PIN-ROLL 5/16" X 1/2" | | 4 |

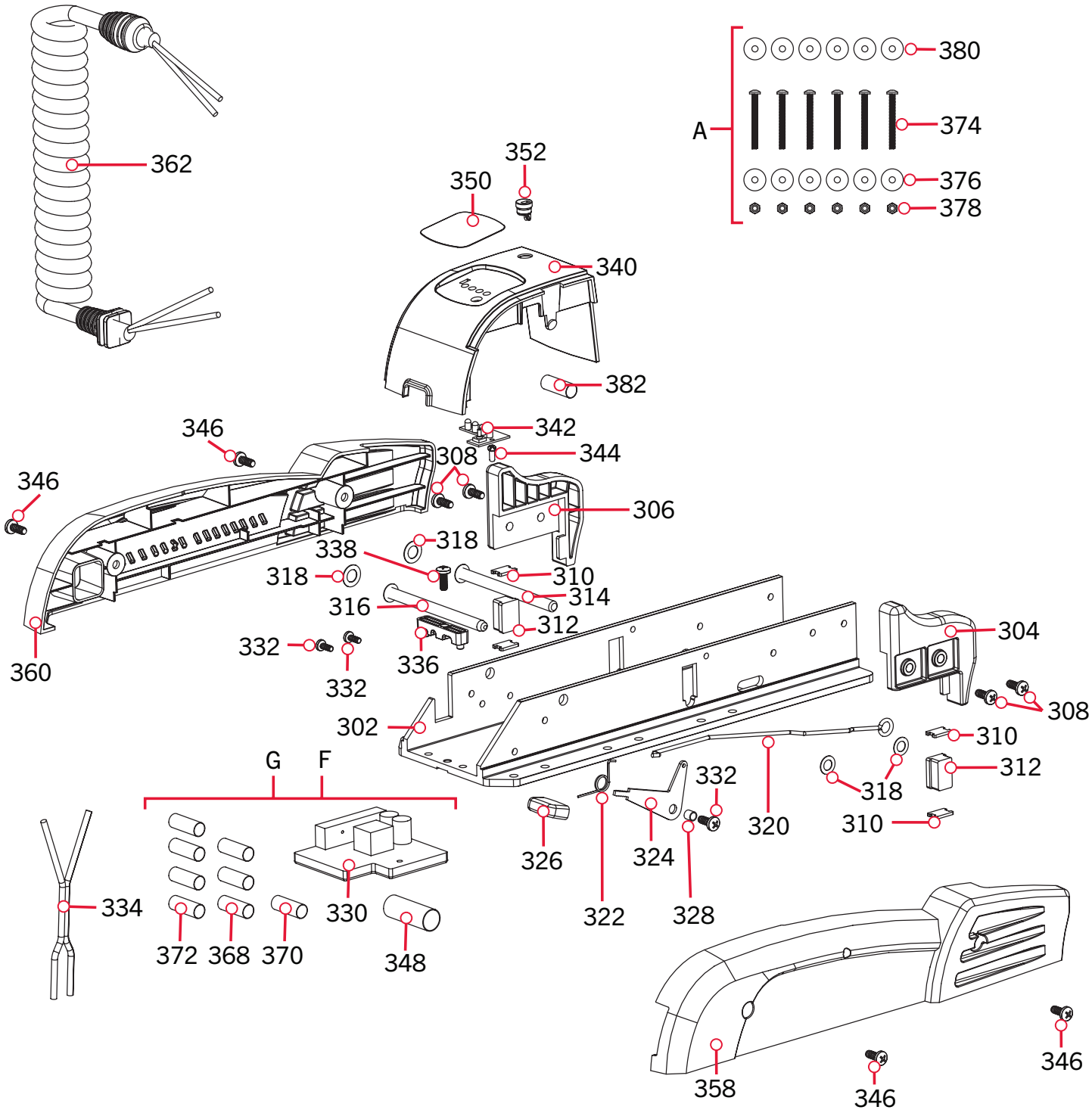
▲ *Not shown on Parts Diagram.*

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


©2026 Johnson Outdoors Marine Electronics, Inc.

RIPTIDE POWERDRIVE MOUNT ›

## › Mount Parts Diagram




©2026 Johnson Outdoors Marine Electronics, Inc.

## Mount Parts List

| Assembly | Part # | Description | Notes | Quantity |
|---|---|---|---|---|
| A | 2994864 | BAG ASSEMBLY - (BOLT, NUT, WASHERS) | | 1 |
| G | 2884058 | CONTROL BOARD-24V V2 W AP W/SHRNK | *70LB* | 1 |
| F | 2884057 | CONTROL BOARD-12V V2 W/AP W/SHRNK | *55LB* | 1 |
| **Item** | **Part #** | **Description** | **Notes** | **Quantity** |
| 302 | 2301937 | EXTRUSION BASE PD V2 | *SALTWATER* | 1 |
| 304 | 2303932 | MOTOR REST-RIGHT, 3 5/8" | | 1 |
| 306 | 2303937 | MOTOR REST-LEFT, 3 5/8" | | 1 |
| 308 | 2332104 | SCREW-1/4-20 X 5/8 S/S | *SALTWATER* | 5 |
| 310 | 2335110 | PAD-PIVOT SUPPORT(SS) | *SALTWATER* | 4 |
| 312 | 2305103 | PIVOT PAD,559 FB DUROMETER 90A | | 2 |
| 314 | 2330510 | PIN-LATCH (PD BASE)SS | *54"* | 1 |
| | 2330512 | PIN-LATCH-17-14 | *65"* | |
| 316 | 2330520 | PIN-PIVOT (PD BASE)SS | *SALTWATER* | 1 |
| 318 | 2333100 | NUT-SPEED (SS) | *SALTWATER* | 4 |
| 320 | 2303612 | ROD-RELEASE (RT/AP) S/S | | 1 |
| 322 | 2322700 | SPRING-TORSION | | 1 |
| 324 | 2333705 | LEVER-RELEASE S/S | *SALTWATER* | 1 |
| 326 | 2300101 | RELEASE-KNOB | | 1 |
| 328 | 2301700 | SPACER-RELEASE LEVER-BRASS | | 1 |
| 330 | 2304087 | CONTROL BOARD-24V V2 W/AP | | 1 |
| | 2304086 | CONTROL BOARD-12V V2 W/AP | | 1 |
| 332 | 2303434 | SCREW-#8-32 X 5/8 MACH PHCR SS | | 3 |
| 334 | 2090651 | LEADWIRE,10 GA, PD/GENESIS | | 1 |
| 336 | 2321310 | STRAIN RELIEF | | 1 |
| 338 | 2323405 | SCREW-1/4-20 X 1/2" MCH SS | | 1 |
| 340 | 2306571 | HOUSING-CENTER RT-WHITE | *SALTWATER* | 1 |
| 342 | 2074081 | BATTERY METER, 24V | *SALTWATER* *70LB* | 1 |
| | 2074080 | BATTERY METER, 12V | *SALTWATER* *55LB* | 1 |
| 344 | 2383428 | SCREW-#4-24 X 5/8 HI-LO SS | | 1 |
| 346 | 2323405 | SCREW 1/4-20 X 1/2" MCH SS | | 4 |
| 348 | 2325401 | SHRINK TUBE-3/4 ID X 2" W/ADHS | | 1 |
| 350 | 2315613 | DECAL-BAT METER, PD,SW,WHT | *SALTWATER* | 1 |
| 352 | 2302935 | STRAIN RELIEF-DR. HOUSING | | 1 |
| 358 | 2303982 | SIDEPLATE-RIGHT RT-WHITE | *SALTWATER* | 1 |
| 360 | 2303987 | SIDEPLATE-LEFT RT-WHITE | *SALTWATER* | 1 |

▲ *Not shown on Parts Diagram.*

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


©2026 Johnson Outdoors Marine Electronics, Inc.

| Item | Part # | Description | Notes | Quantity |
|---|---|---|---|---|
| 362 | 2991280 | COIL CRD W/STRN RLF, PD 48"/54" | *54"* | 1 |
| | 2991284 | COIL CORD W/STRAIN RLF,PD 60" | *65"* | 1 |
| 368 | 2305410 | SHRINK TUBE-.315 OD X 2.25" | *SALTWATER* | 3 |
| 370 | 2305415 | SHRINK TUBE-.472 ID X 2.25" | *SALTWATER* | 1 |
| 372 | 2305403 | SHRINK TUBE-.500 IDX1.0" ADHSV | *SALTWATER* | 4 |
| 374 | 2263462 | SCREW-1/4-20 X 2" S/S PPH ADJT | | 6 |
| 376 | 2261713 | WASHER-1/4 FLAT 18-8 SS | | 6 |
| 378 | 2263103 | NUT-1/4-20 NYLOCK SS | | 6 |
| 380 | 2301720 | WASHER-MOUNTING - RUBBER | | 6 |
| 382 | 2375400 | SHRINK TUBE - 1/4 OD X 1-3/4 | | 1 |

▲ *Not shown on Parts Diagram.*

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

©2026 Johnson Outdoors Marine Electronics, Inc.

# 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

### 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, Minn Kota app, or Minn Kota fish finder.

## MINN KOTA ACCESSORIES

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

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



MINN KOTA®

minnkota.johnsonoutdoors.com

Minn Kota Consumer & Technical Service
Johnson Outdoors Marine Electronics, Inc.
PO Box 8129
Mankato, MN 56001

121 Power Drive
Mankato, MN 56001

JOHNSON OUTDOORS

©2026 Johnson Outdoors Marine Electronics, Inc.
All rights reserved.

Part #2317131 ECN 46471 Rev A 10/26