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.

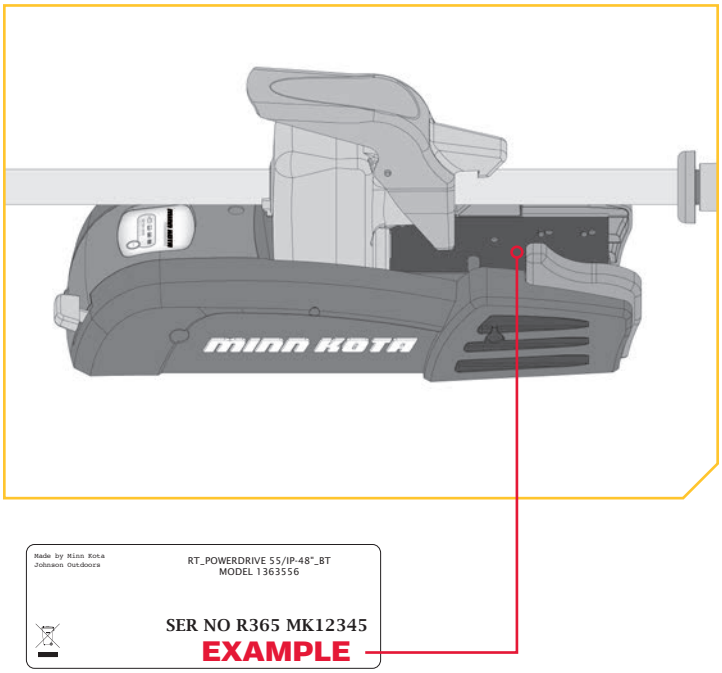
REGISTRATION

Remember to keep your receipt and immediately register your trolling motor. A registration card is included with your motor or you can complete registration on our website.

SERIAL NUMBER

Your Minn Kota 11-character serial number is very important. It helps to determine the specific model and year of manufacture. When contacting Consumer Service or registering your product, you will need to know your product's serial number. We recommend that you write the serial number down so that you have it available for future reference.

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



SAFETY CONSIDERATIONS

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

⚠ WARNING

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

⚠ WARNING

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

⚠ WARNING

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

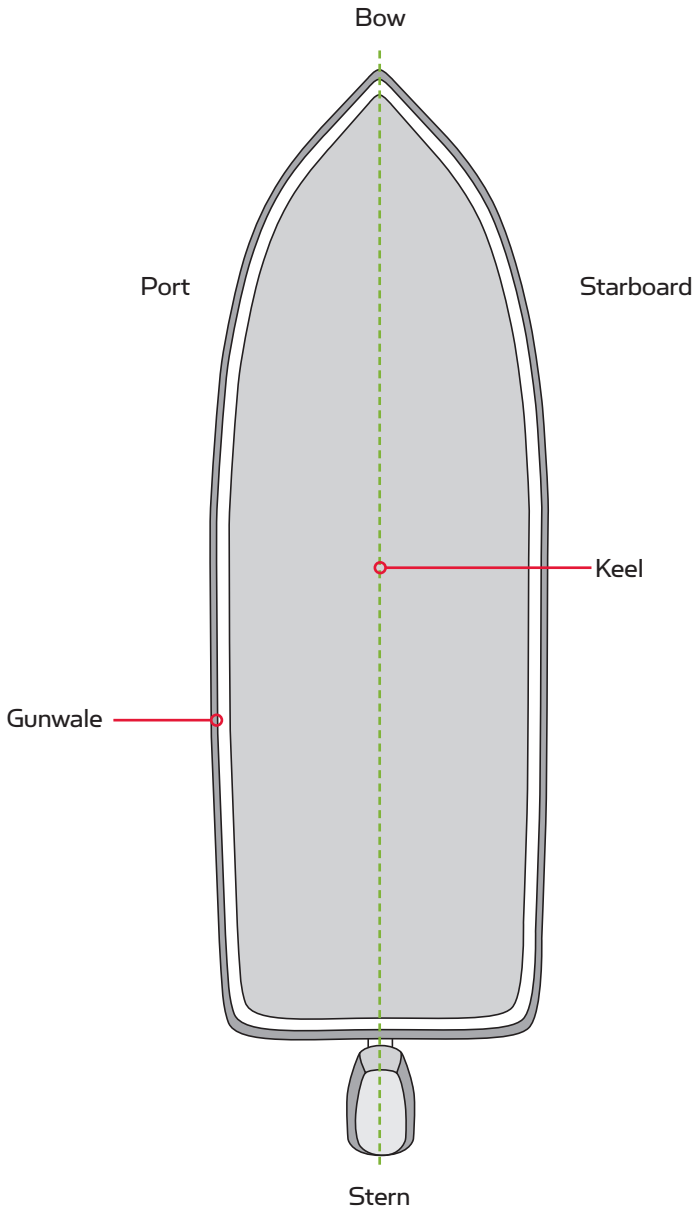
⚠ WARNING

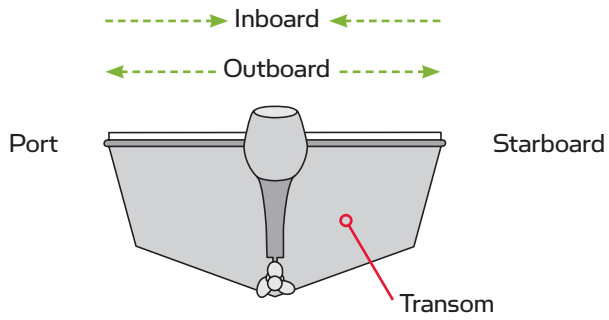
When stowing or deploying the motor, keep fingers clear of all hinge and pivot points and all moving parts. In the event of unexpected operation, remove power leads from the battery.

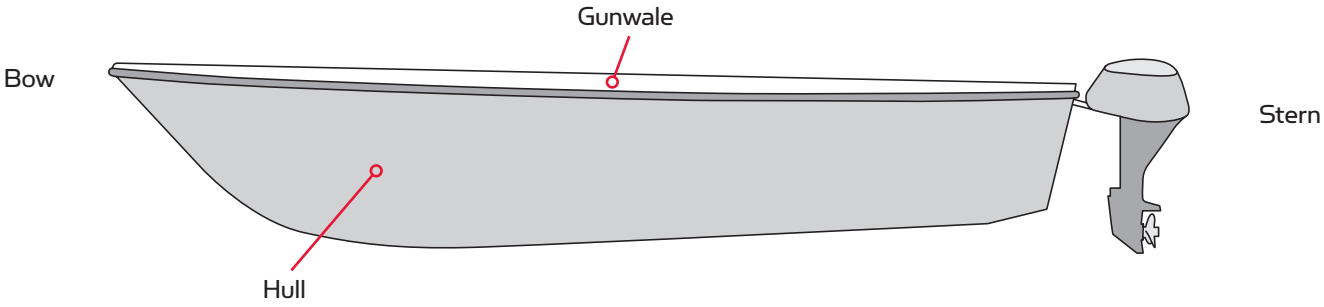
⚠ WARNING

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

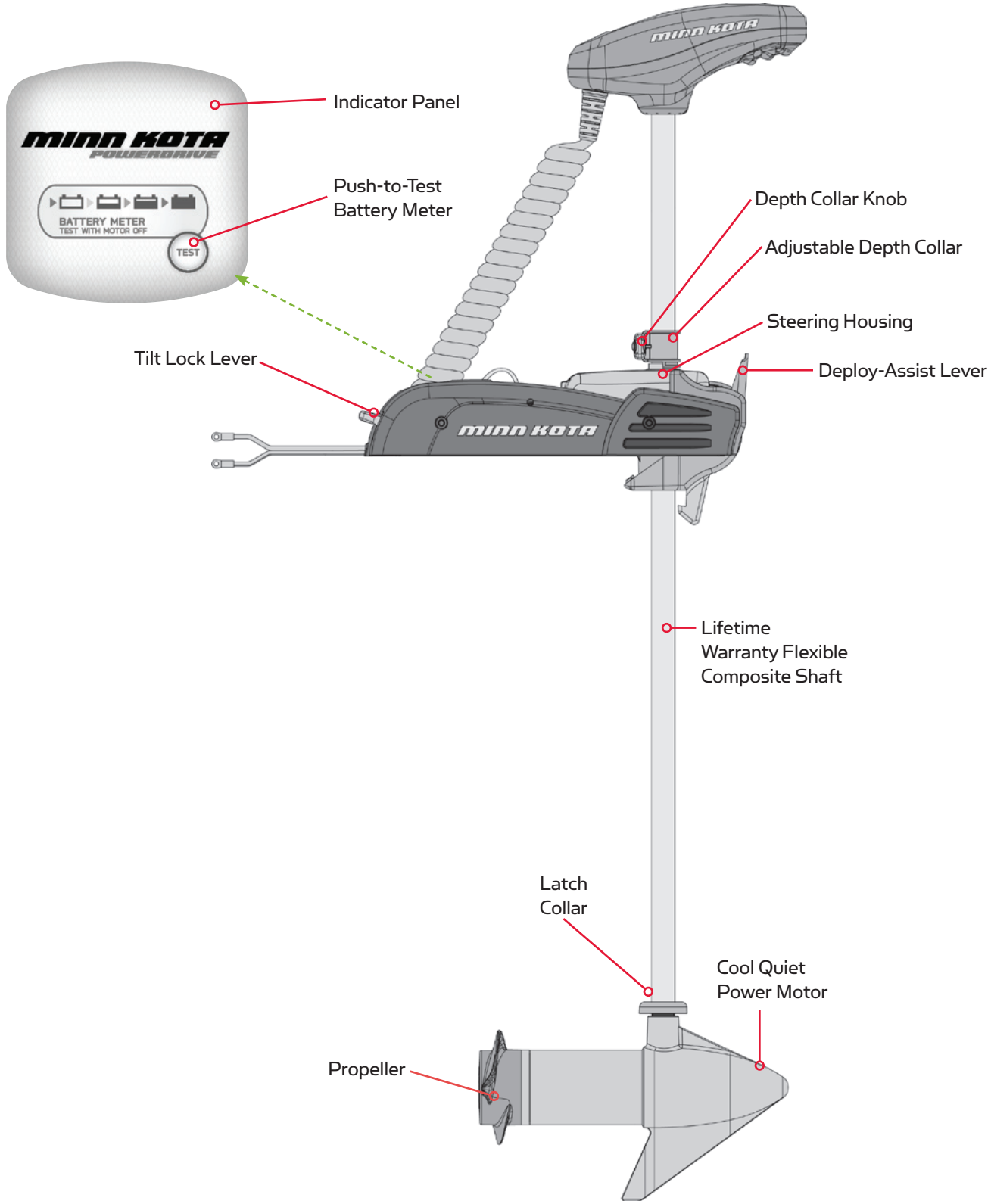
KNOW YOUR BOAT







FEATURES



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

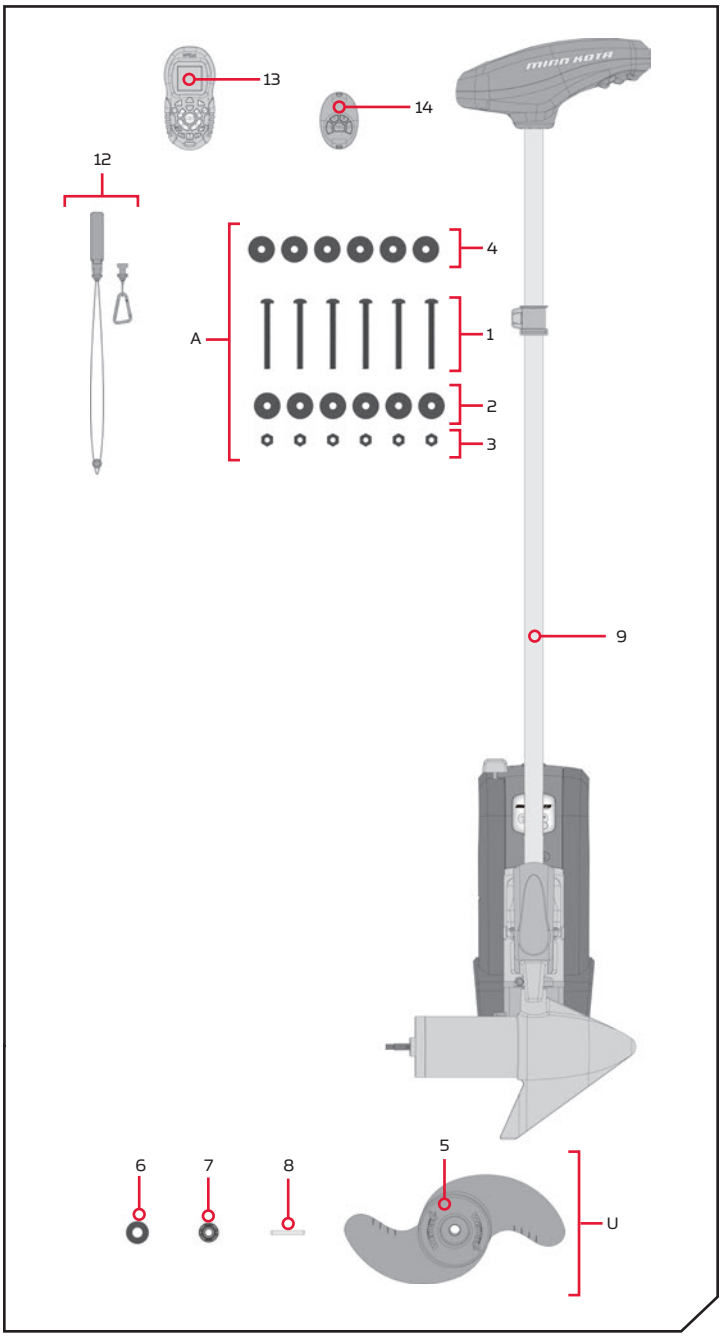
INSTALLATION

INSTALLING THE RIPTIDE POWERDRIVE

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

INSTALLATION PARTS LIST

Item / Assembly	Part #	Description	Qty.
A	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
U	1378131	PROP IND 2091160 (WDLS WDGII)	1
5	2091160	PROP-WW2 (3 5/8") REAMED	1
6	2151726	WASHER-5/16 SS	1
7	2198400	ANODES, ZINC, 3.25/3.62" LWR UNT	1
8	2092600	PIN-DRIVE 1.06" LG SS	1
9	✖	MOTOR ASSEMBLY	1
12	2390800 ♦	LANYARD, REMOTE W/ CARABINER	1
13	2994075 ♦	REMOTE ASY, IPILOT	1
14	2994020 ●	TRANSMTR, ASY, PD/AP COPLT	1
15	2397101	MANUAL, QUICK REF., iPILOT 1.6	1
16	2317123	MANUAL-INSTALL GUIDE, POWERDRIVE	1



✖ This part is included in an assembly and cannot be ordered individually.
♦ Only available with models factory installed with i-Pilot.
● Only available with models factory installed with CoPilot.

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.

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

INSTALLATION

Installing the Riptide PowerDrive

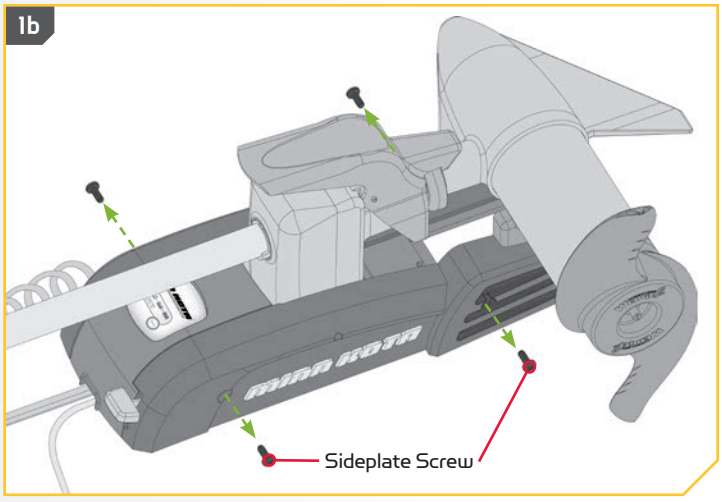
1

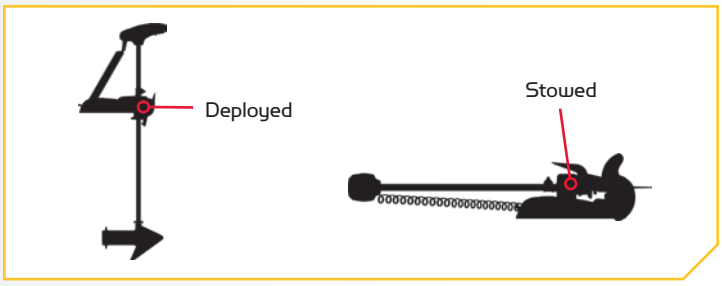
a. Place the mount on an elevated, level surface such as a workbench or the tailgate of a pickup. The motor, as removed from the box, should be in the stowed position.

b. 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.

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

1b

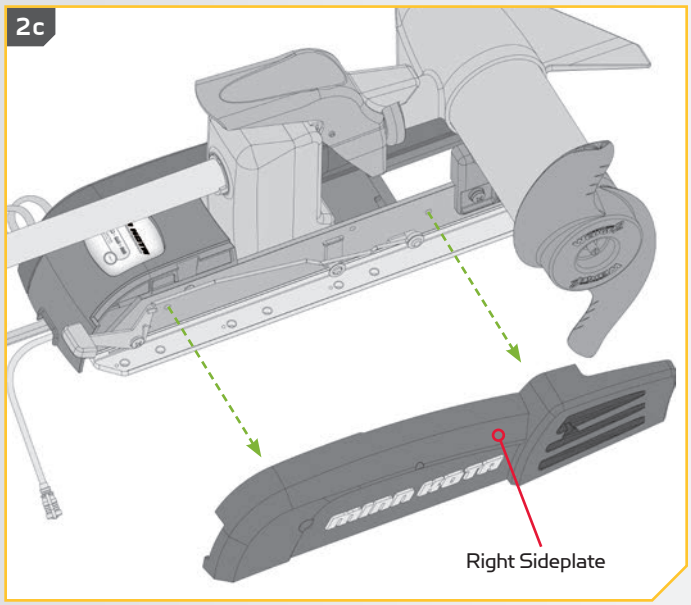


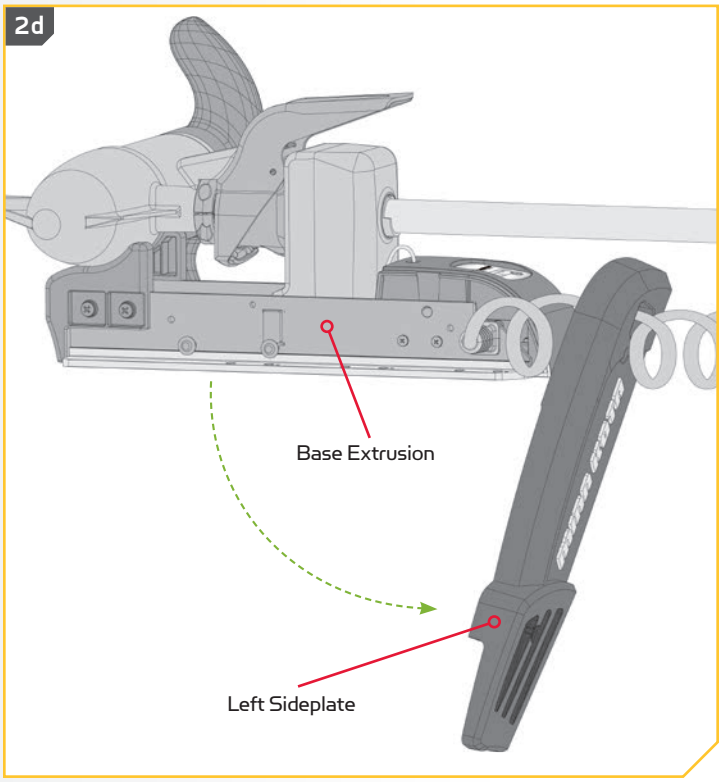


2

c. Remove the Right Sideplate.

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



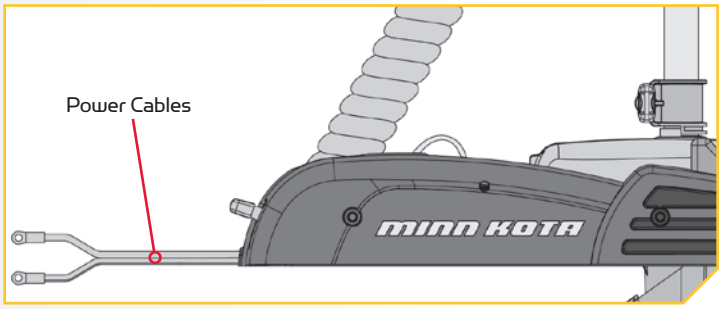


3

e. Make sure that the Power Cables from the battery are disconnected, or that the breaker, if equipped, is "off".

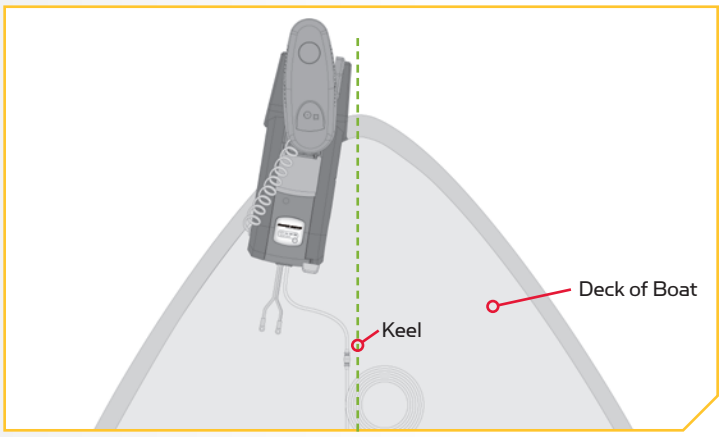
⚠ WARNING

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



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.



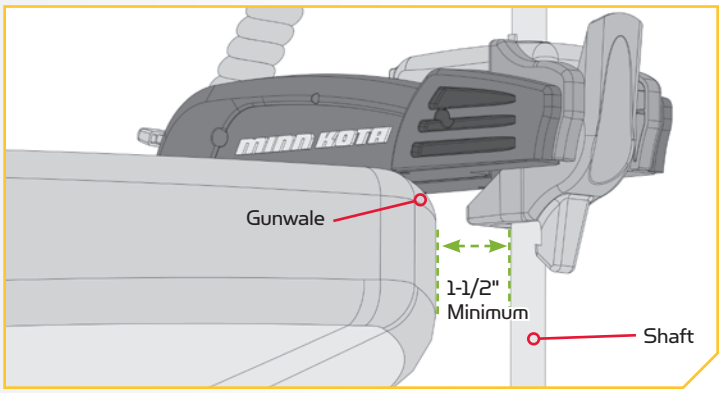
5

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.

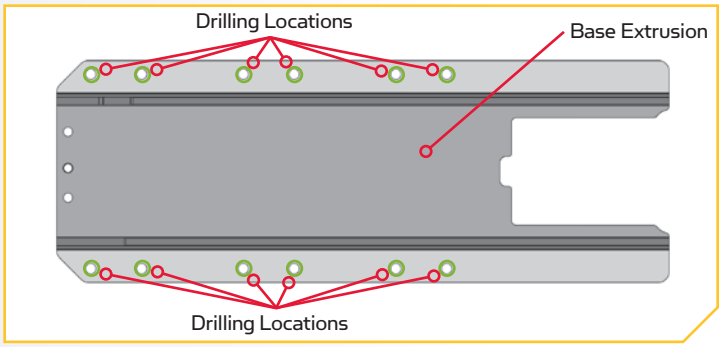
h. Check to be sure that the mount is level. Use the Rubber Washers provided to create a level surface if necessary.



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.

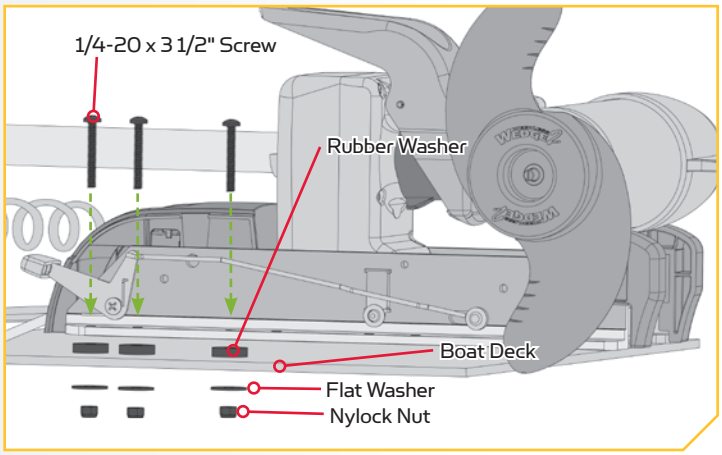


7

ITEM(S) NEEDED

- #1 x 6
- #4 x 6

k. Put a 1/4-20 x 3-1/2" (Item #1) screw in each of the drilled locations. The screw 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.



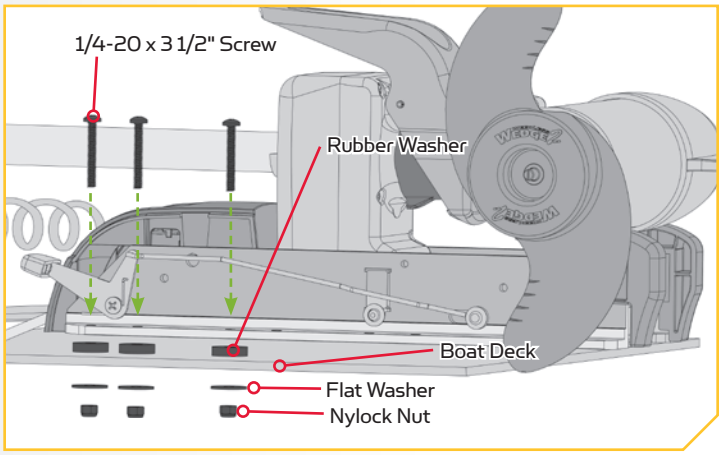
8

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 screw as shown and secure. Make sure all hardware is secure.

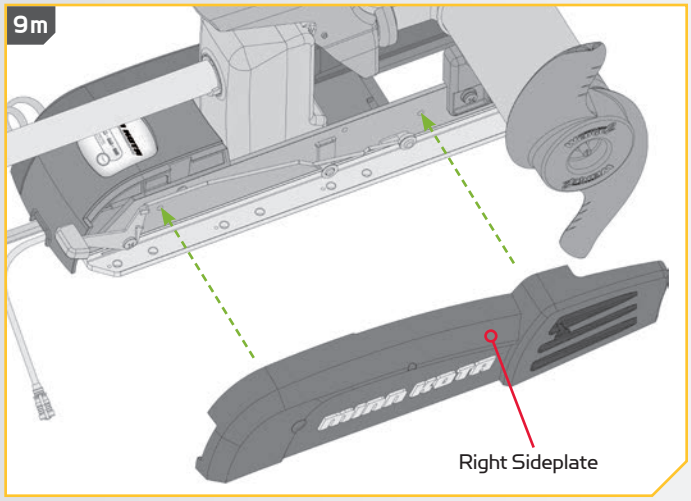
NOTE: To prevent seizing of the stainless steel hardware, do not use high speed installation tools. Wetting the screws or applying an anti-seize may help prevent seizing.

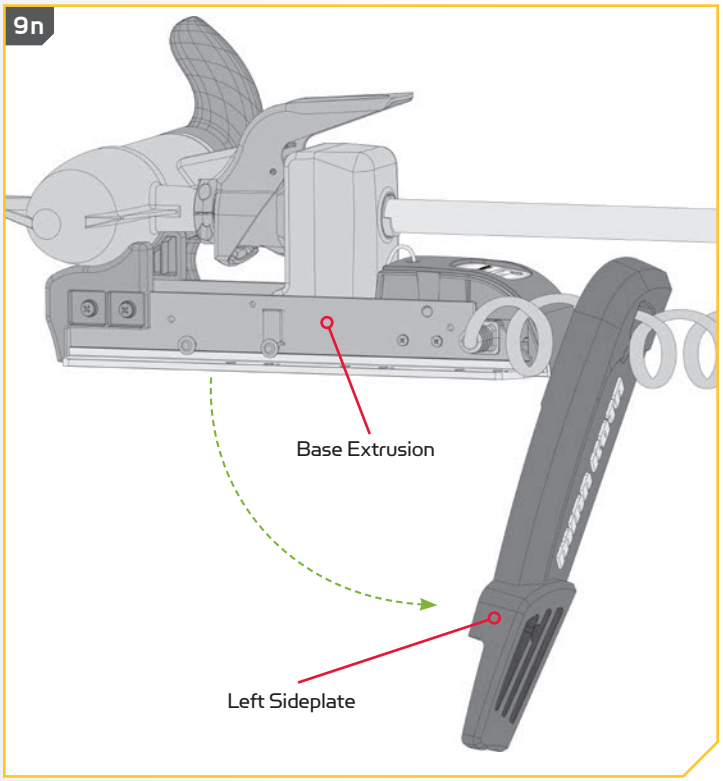


9

m. Replace the Right Sideplate.

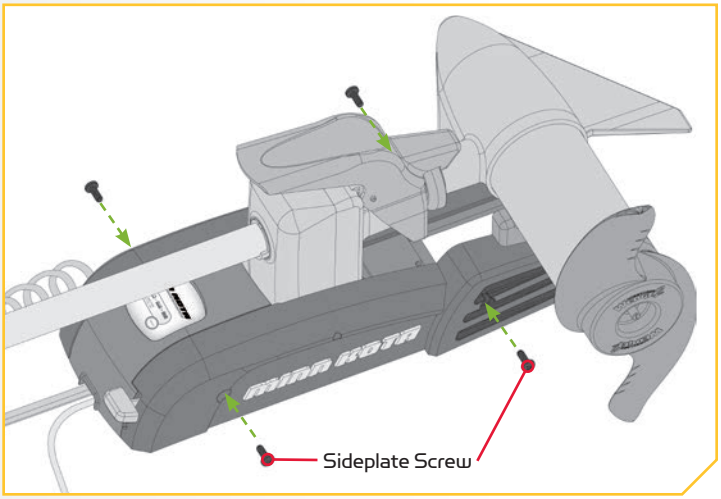
n. Swing the Left Sideplate back into its correct position on the Base Extrusion.





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.



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 3 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 5% voltage drop allowed at full motor power based on published product power requirements.

Motor Thrust / Model	Max Amp Draw	Circuit Breaker	Wire Extension Length				
			5 feet	10 feet	15 feet	20 feet	25 feet
30 lb.	30	50 Amp @ 12 VDC	10 AWG	10 AWG	8 AWG	6 AWG	4 AWG
40 lb., 45 lb.	42		10 AWG	8 AWG	6 AWG	4 AWG	4 AWG
50 lb., 55 lb.	50	60 Amp @ 12 VDC	8 AWG	6 AWG	4 AWG	4 AWG	2 AWG
70 lb.	42	50 Amp @ 24 VDC	10 AWG	10 AWG	8 AWG	8 AWG	6 AWG
80 lb.	56	60 Amp @ 24 VDC	8 AWG	8 AWG	8 AWG	6 AWG	6 AWG
101 lb.	46	50 Amp @ 36 VDC	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG
Engine Mount 101	50	60 Amp @ 36 VDC	8 AWG	6 AWG	4 AWG	4 AWG	2 AWG
112 lb.	52	60 Amp @ 36 VDC	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG
Engine Mount 160	116	(2) x 60 Amp @ 24 VDC	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG
E-Drive	40	50 Amp @ 48 VDC	10 AWG	10 AWG	10 AWG	10 AWG	10 AWG

NOTE: 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

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.

⚠ 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.

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.

NOTE: 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.
4. For safety reasons do not switch the motor on until the propeller is in the water.

WARNING

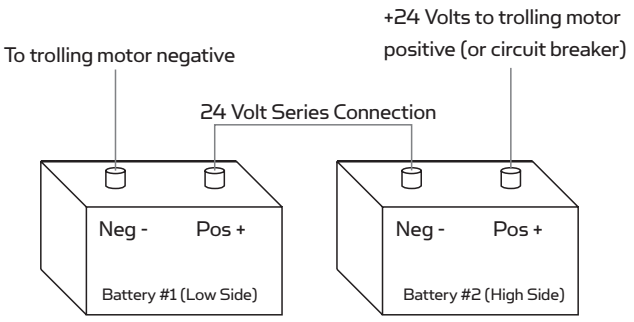
For safety reasons do not switch the motor on until the propeller is in the water. If installing a leadwire plug, observe proper polarity and follow instructions in your boat owner’s manual.

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.

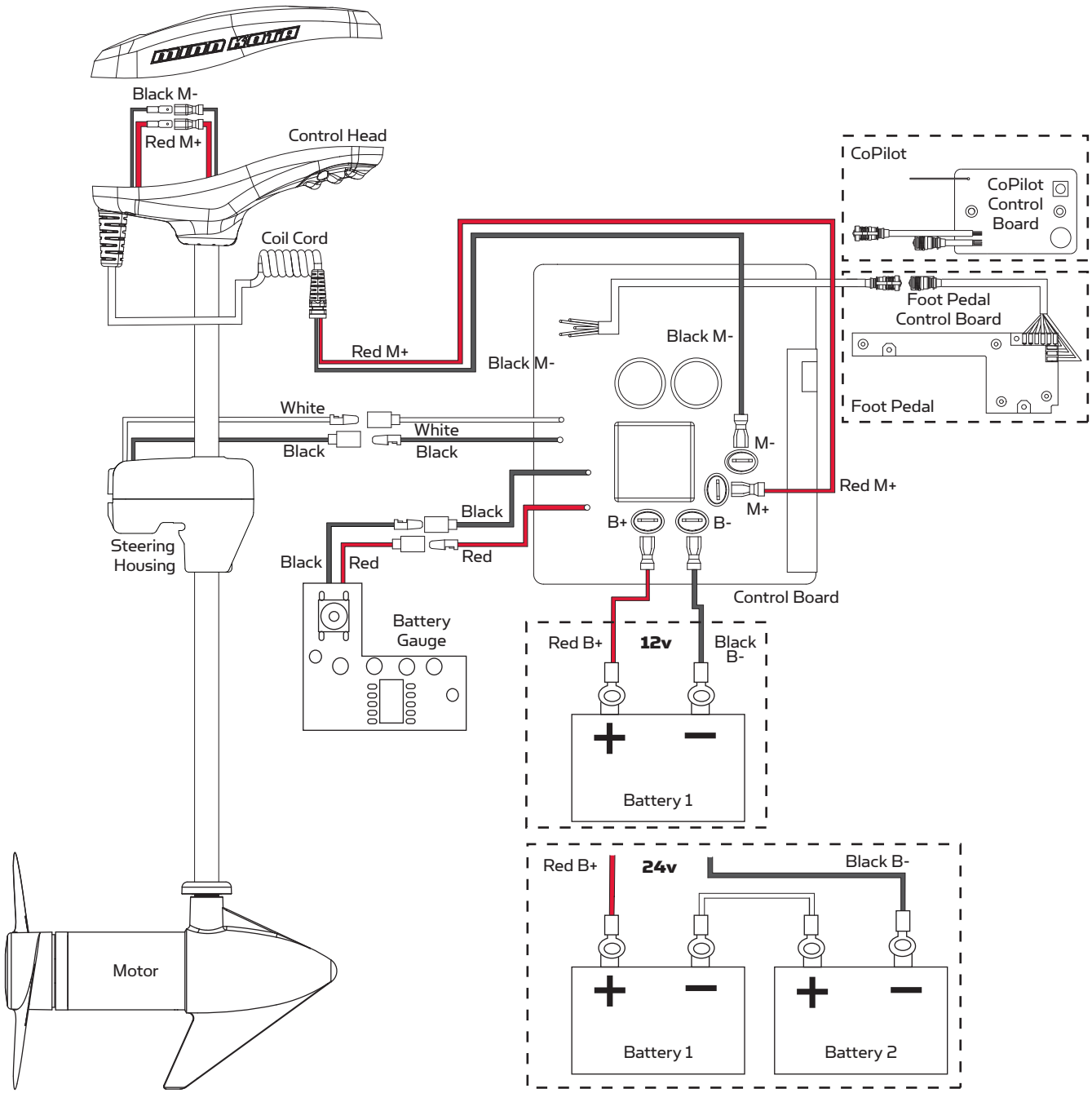
WARNING

- 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.

MOTOR WIRING DIAGRAM

RIPTIDE POWERDRIVE

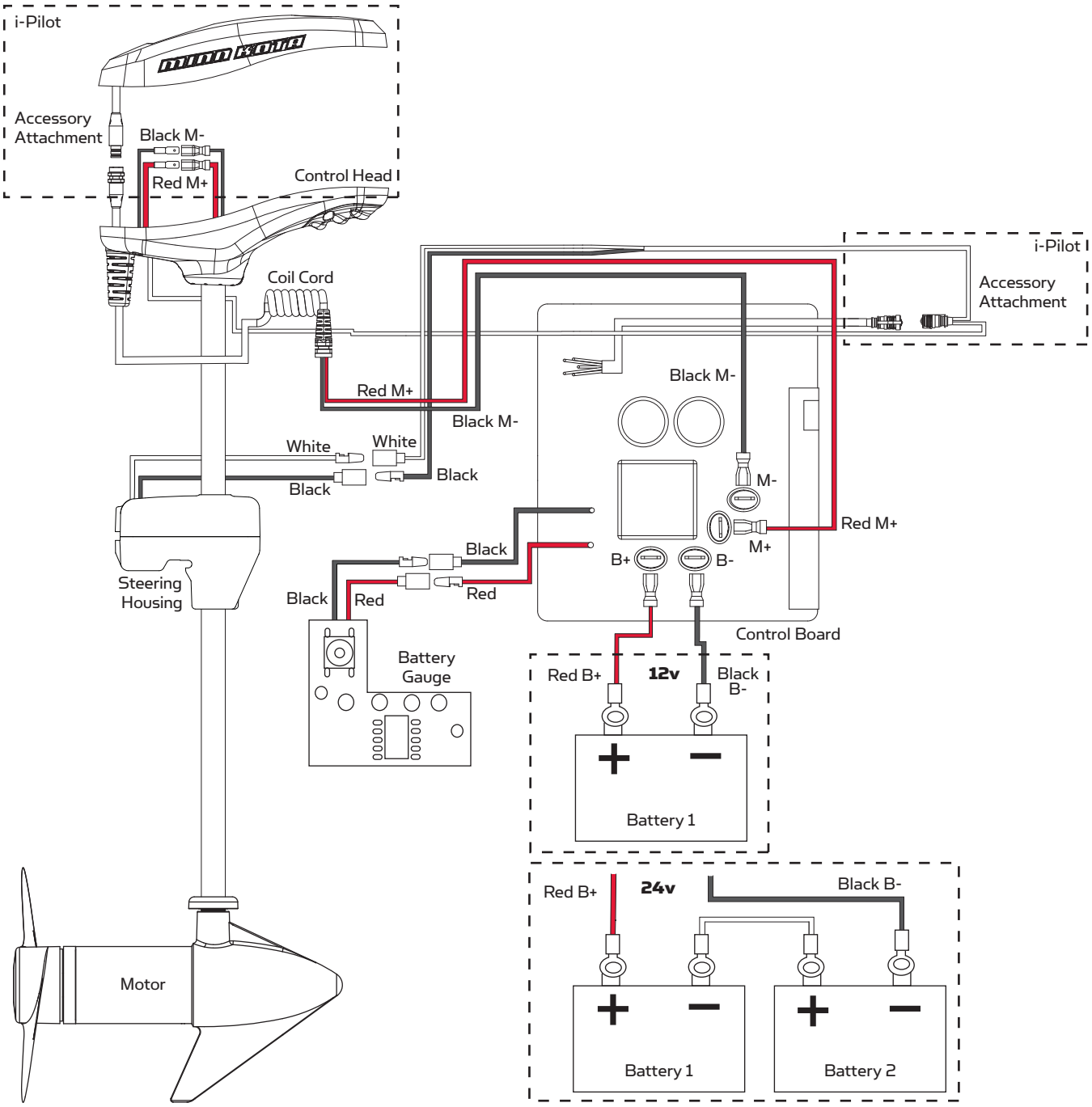
The following Motor Wiring Diagram applies to all Riptide PowerDrive models that do not come factory installed with i-Pilot. CoPilot may come factory installed, but can also be installed as an after market accessory.



NOTE: 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.

RIPTIDE POWERDRIVE WITH i-PILOT

The following Motor Wiring Diagram applies to all PowerDrive models that come factory installed with i-Pilot.

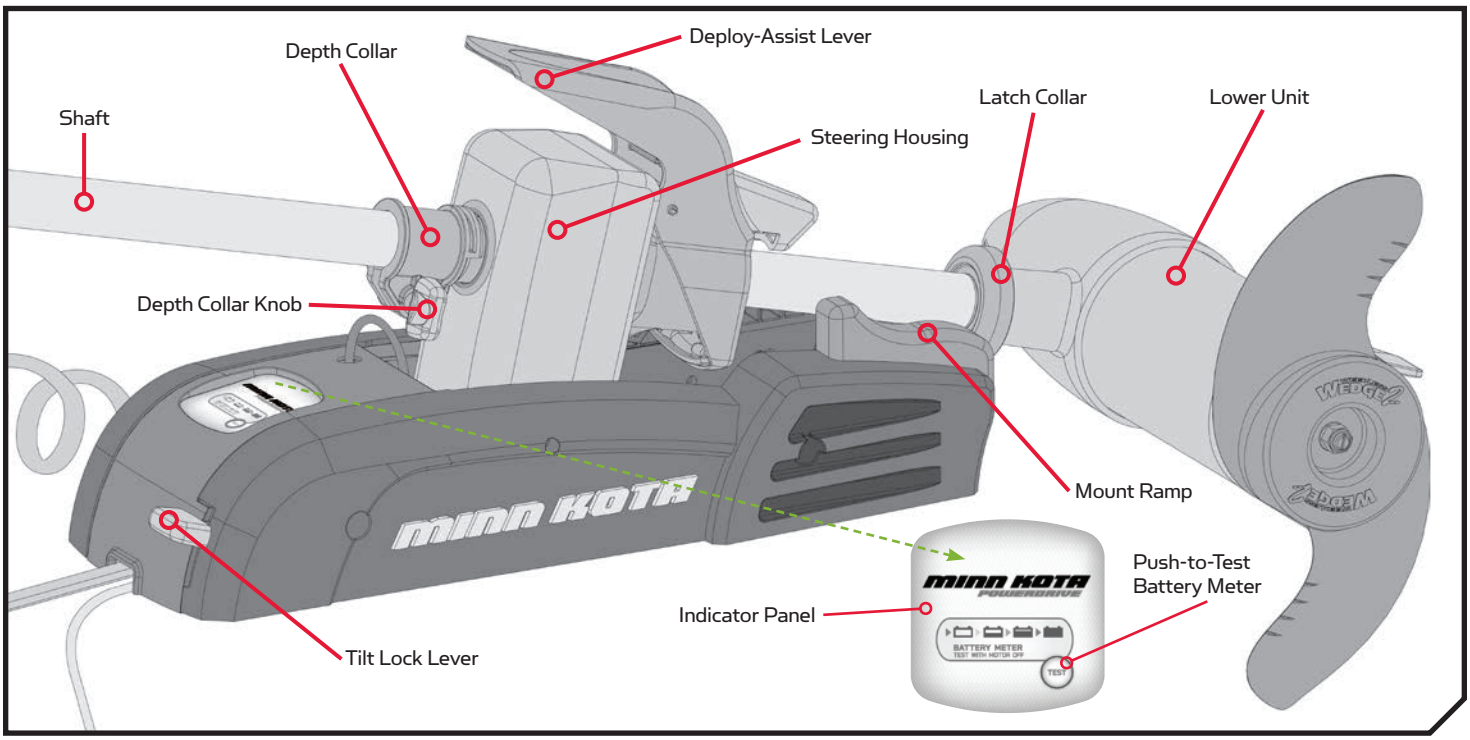


NOTE: This is a multi-voltage diagram. Double-check your motor's voltage for proper connections. Over-Current Protection Devices are not shown in this illustration.

USING & ADJUSTING THE MOTOR

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.

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

If a propeller encounters an obstruction while running, the increased electrical current being generated by the obstruction will signal the motor to decrease the power to the propeller to prevent damage. If the current overload is detected for more than 20 seconds, the prop will be disabled to prevent damage to the motor. In this event, the operator can turn the prop back on after being sure that the obstruction has been cleared.

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.

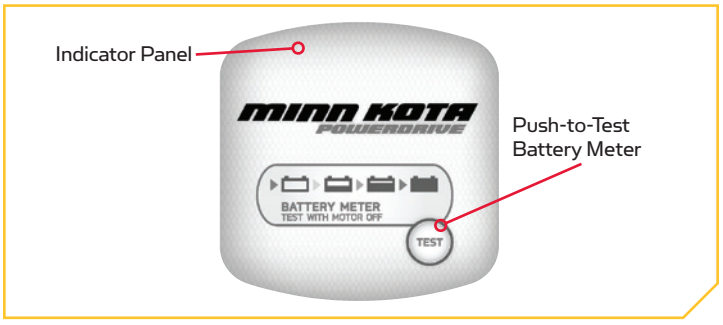
To Stow the Motor

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.

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.



MOTOR ADJUSTMENTS

Adjusting the Depth of the Motor

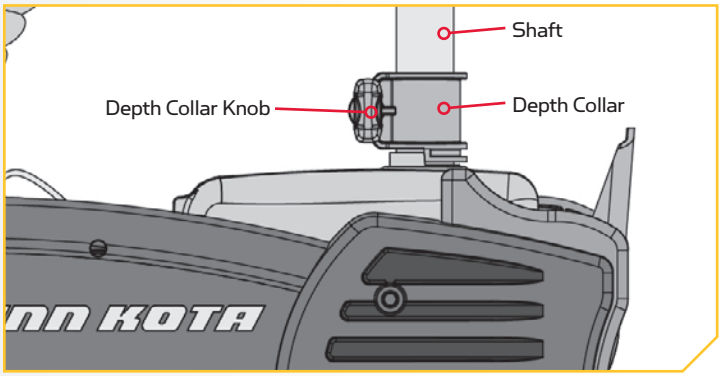
Once the boat is on the water, it may be necessary to adjust the Lower Unit up or down to achieve an optimum depth for motor performance. When setting the depth of the motor, be sure the top of the motor is submerged at least 12" below the surface of the water to avoid churning or agitation of surface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

ADJUSTING THE LATCH COLLAR

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.

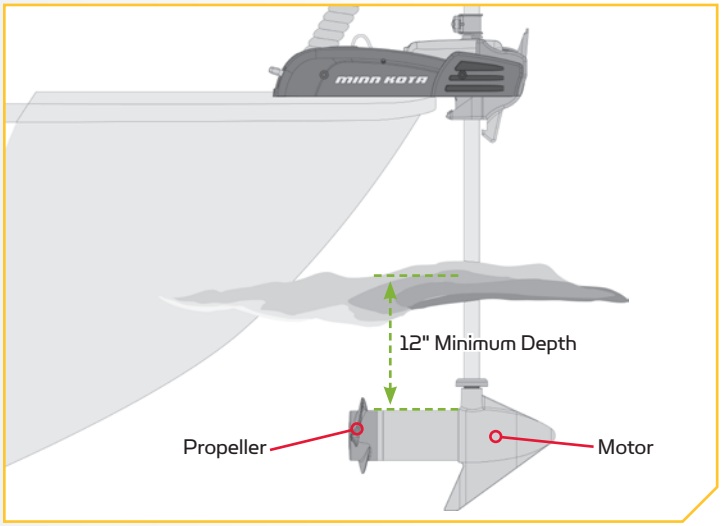
2

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.

NOTE: 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.



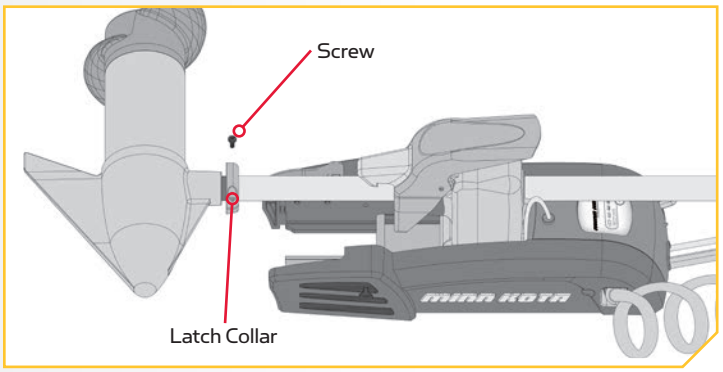
Adjusting the Latch Collar

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.

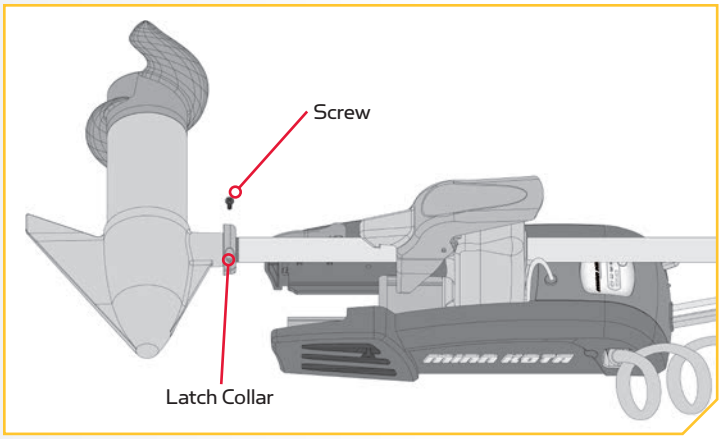
b. Using a #2 Phillips Screwdriver, loosen the screw securing the Latch Collar in place.



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.



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.

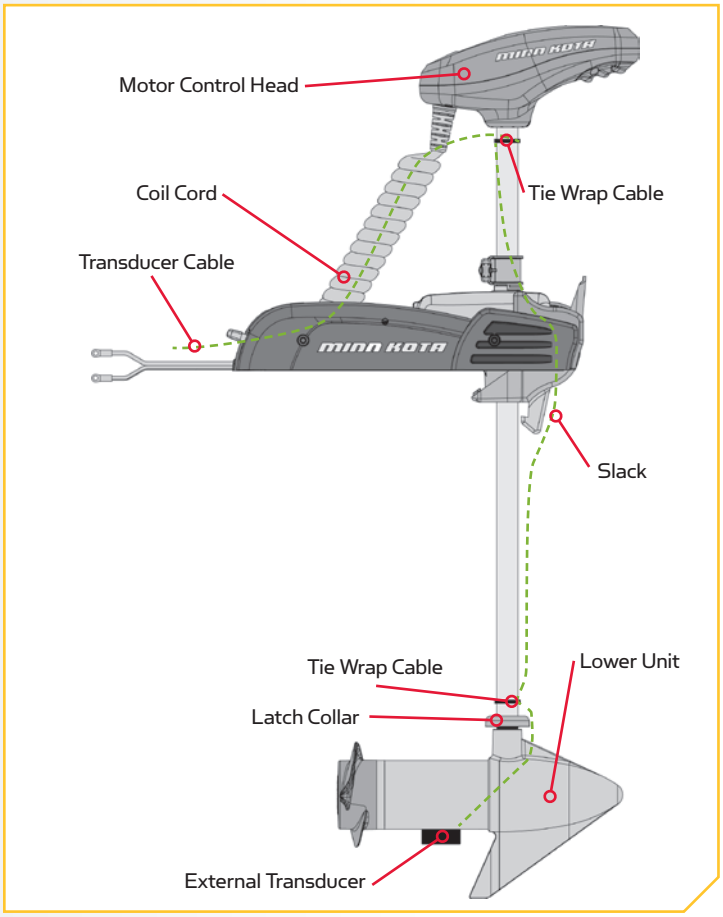
b. Leave enough slack in the Transducer Cable between the Lower Unit and Motor Control Head to allow the motor to properly stow and deploy.

c. Use two tie wrap cables 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.



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

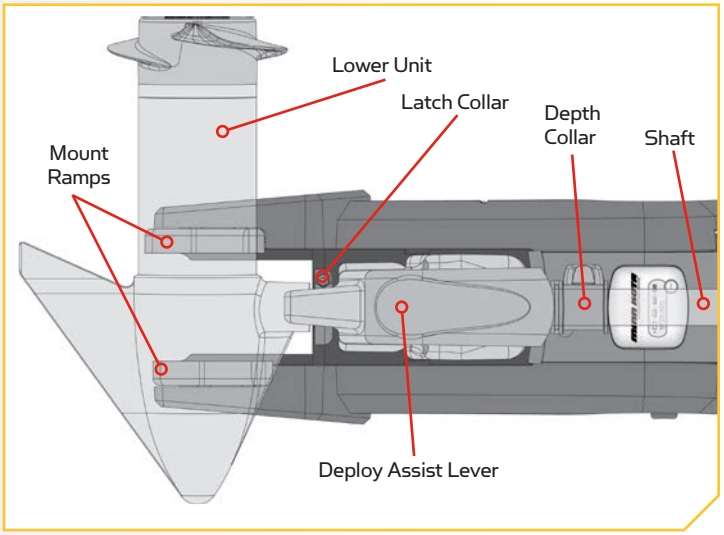
a. Before transporting the boat over water or land, stow the motor to determine where the Lower Unit rests on the Mount Ramp.

NOTE: 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.



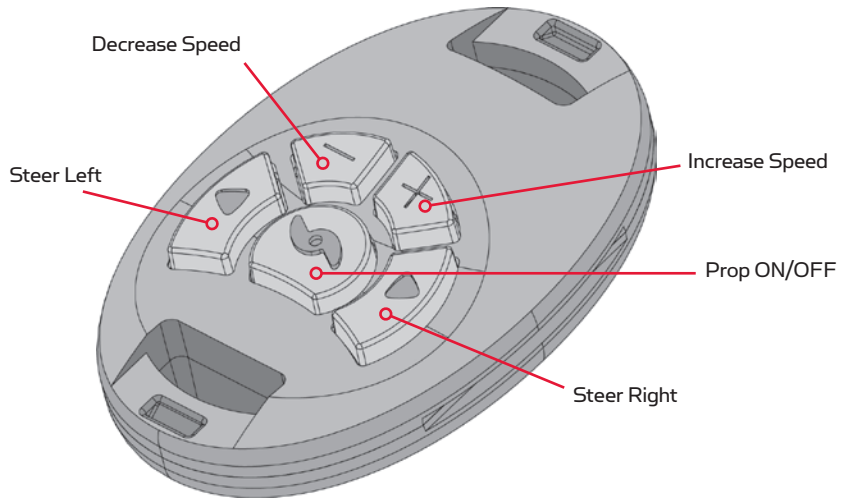
NOTE: Slide the Depth Collar down and secure it against the top of the Steering Housing when stowed to secure the motor in place and prevent accidental deployment.

COPILOT

CONTROLLING THE MOTOR WITH COPILOT

Review the complete CoPilot section of this manual to become familiar with this feature.

NOTE: Your motor may come factory installed with CoPilot.



Prop ON/OFF

This button is located in the middle of the remote. It turns the propeller on or off. Press the button once to turn the propeller ON; press button a second time to turn it OFF. The button does not need to be held down.

Steer Left & Steer Right

These buttons are located to the right and left of the Prop ON/OFF button and have an arrow symbol. They cause the motor to turn in the desired direction as long as the button is held down. If the Steer Right or Steer Left button is held for more than seven seconds, the steering will automatically stop until the button is pressed again.

Increase Speed & Decrease Speed

The Increase Speed and Decrease Speed buttons are located on the top of the remote and are identified with a positive and negative symbol. Pressing and releasing these buttons causes the speed to increase or decrease by increments of 1. The speed is adjustable from level 0-10. At level 0, the prop will not turn.

In audio mode 2, an audible beep is heard for each increment when changing speed. Attempting to go higher than speed 10 or lower than speed 0 will result in the speed not changing and no beep will be heard. See the Audio Mode section for more information.

If the receiver senses no foot pedal (if applicable) or remote operation for 1 hour, the remote speed setting is automatically set to zero. This helps prevent unintentional activation of the propeller if the prop on/off remote button is inadvertently pressed.

COPILOT GENERAL OPERATION

Operating with the Remote and Foot Pedal (Foot Pedal only available on select models.)

- When the Momentary/Constant Switch on the Foot Pedal is in the CON position or when the Momentary Button is held, the receiver WILL NOT RESPOND to any remote commands. When remote commands are received, the receiver will emit an audible chirp. This will indicate that the remote is functioning properly, but the Foot Pedal is active and is overriding the remote.
- When the Momentary/Constant Switch is in the MOM position, the operator may begin using the remote at any time.

- As soon as any remote button is pressed, the initial speed setting will be set to approximately the same value as the Speed Control value on the Foot Pedal. The prop will not automatically turn on until the Prop ON/OFF button on the remote is pressed.
- Pressing the Momentary Button on the Foot Pedal or adjusting the Speed Control dial will override the remote and receiver function. Control of the motor will automatically go to the Foot Pedal. The prop speed will also revert to the current value of the Speed Control dial on the Foot Pedal.

Operating without the Foot Pedal (Foot Pedal only available on select models.)

- If the foot pedal is not being used, the CoPilot receiver will always react to any commands from the CoPilot remote.

AUDIO MODES

There are three receiver Audio Modes available. The unit is factory set to Audio Mode 2. To switch from one audio mode to another, simultaneously press and hold the increase and decrease speed buttons for one second. The receiver will respond with 1, 2 or 3 audible beeps indicating the corresponding receiver audio mode change.

Audio Mode	Function
Mode 1	All of the normal audible sounds mentioned in this owners manual, but no audible beeps for speed increase/ decrease or prop on/off.
Mode 2	Same as audio mode 1 plus an audible beep for speed increase / decrease and prop on/off.
Mode 3	Same as audio mode 2 plus the prop on audible tick every 1.5 seconds.

NOTE: When the Foot Pedal (if applicable) is operating the motor and the propeller is on, the prop on indicator tick will be heard if the receiver is set to Audio Mode 3.

Audio Pattern	What Condition Causes Audio Pattern	Audio Mode
1 Beep	Pressing the Increase Speed or Decrease Speed button	Modes 2 and 3
1 Beep	Pressing the Prop ON/OFF button to turn the Prop on	Modes 2 and 3
2 Beeps	Pressing the Prop ON/OFF button to turn the Prop off	Modes 2 and 3
Single tick every 1.5 seconds	When the Prop is active including when Speed Control dial is set to 0	Mode 3
1 Beep	Switching to audio Mode 1	All
2 Beeps	Switching to audio Mode 2	All
3 Beeps	Switching to audio Mode 3	All
1 Chirp	Every time the receiver is powered up and there is at least one remote learned	All
2 second long Beep	Every time the receiver is powered up and there are no remotes learned	All
5 Beeps	Speed Control dial on Foot Pedal (if applicable) is moved after speed has been adjusted with remote	All
Steady Tone	Heard while holding down the Learn button on the receiver	All
4 Beeps	Heard after a remote button is pressed while the receiver learns it.	All
Ten second warbling sound that transitions into a steady tone	Heard during the process used to clear all stored remote. after the learn switch is released, a 2 second long beep will be heard	All
1 long Beep, 2 short Beeps, pause (repeat)	Powered up with Momentary/Constant Switch in the CON position (or the Momentary Button held) when the Foot Pedal (if applicable) is moved to momentary, the power up audio will be heard	All

ADDING/REMOVING REMOTES

The CoPilot remote came from the factory already "Learned" by the CoPilot receiver. Any additional remotes must be "Learned" by the receiver. The receiver stores all "Learned" information even when the motor is disconnected from a power source.

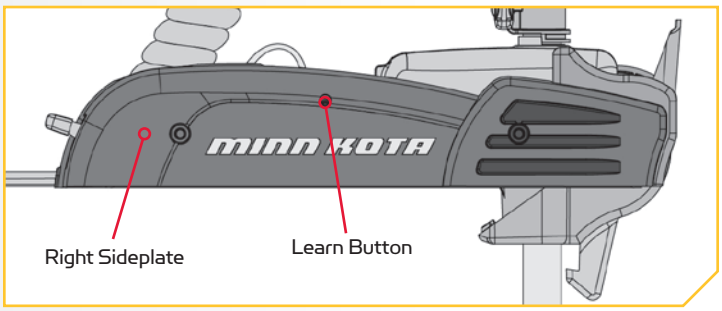
To "Learn" Remotes

Your receiver may learn up to ten remotes. Any additional remotes can be "Learned" using the following steps. This will also work to "Learn" any remote if all remotes are erased from the receiver.

1

a. Using a small blunt object such as a pen or screwdriver, press and hold the Learn Button located on the side of the receiver.

b. The receiver will emit a continuous tone.

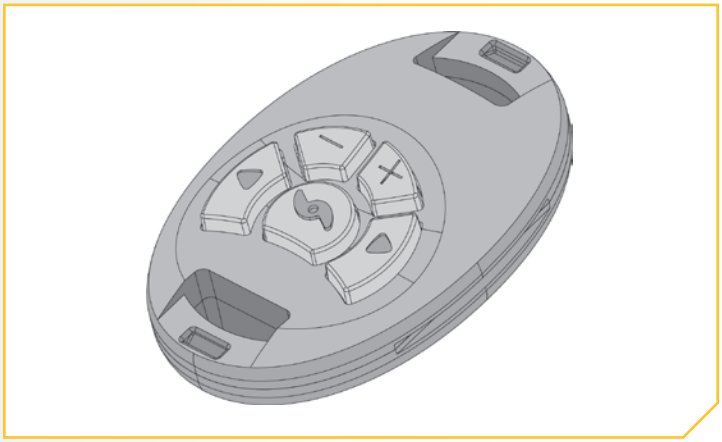


2

c. Press any button on the remote.

d. The receiver will beep 4 times confirming that it has “Learned” the remote successfully.

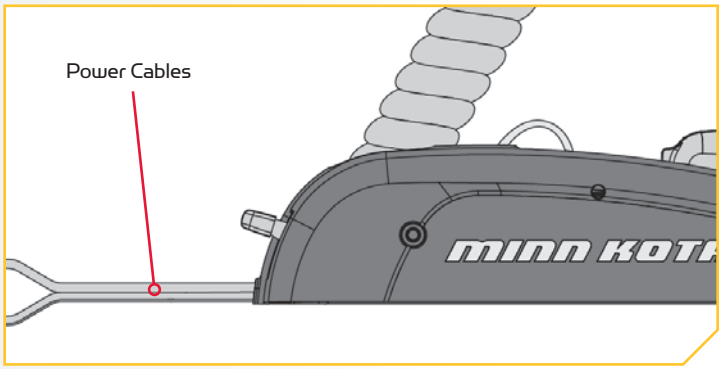
NOTE: "Learning" the same remote will not overwrite previously “Learned” remotes. If the receiver has “Learned” ten remotes, “Learning" an eleventh remote will overwrite the first remote.



To Erase All Remotes from the Receiver

1

a. Remove power from the CoPilot receiver by disconnecting the Power Cables, or by making sure that the breaker, if equipped, is "off".

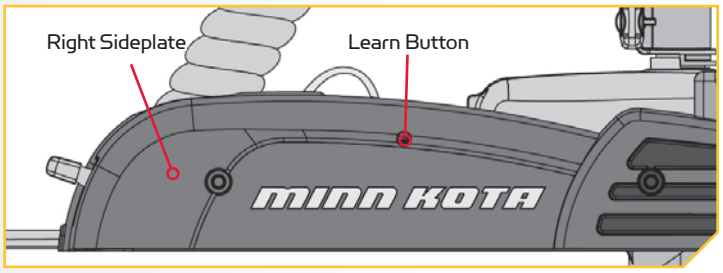


2

b. Press and hold the Learn Button and power up the CoPilot receiver by reconnecting the Power Cables, or by making sure that the breaker, if equipped, is "on".

c. Continue to hold the Learn Button down for 10 seconds. During this time the receiver audio will emit a warble sound, slowly transition to a constant beep and then shut off.

d. Release the Learn Button and the receiver will reboot. The receiver will emit a 2 second long beep indicating memory is empty. This audio pattern will occur each time the receiver powers up until a remote ID number is "Learned".



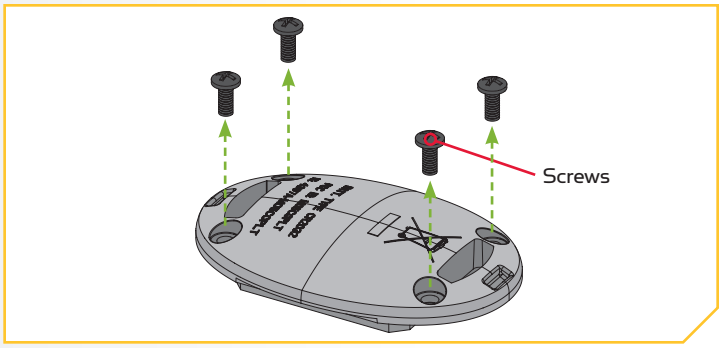
Replacing the Battery

1

a. Temporarily ground yourself by touching a grounded metal object in order to discharge any static electricity in your body.

b. Remove the four screws on the bottom of the remote case.

c. Separate the case halves to access the circuit board.

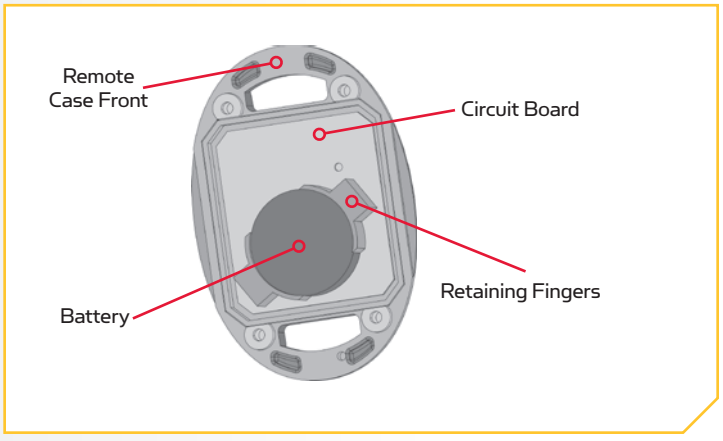


2

d. To remove the Battery, place the tip of a finger or thumb under the exposed edge of the Battery and pry it upwards.

e. Install the new battery with the positive (+) side of the Battery facing up and away from the Circuit Board. Ensure Battery is snapped securely in place.

NOTE: The replacement battery must be a model CR2032 coin cell type. It is strongly recommended that a name brand battery is used.

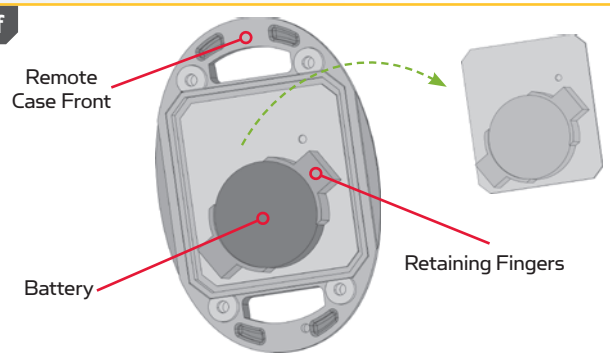


3

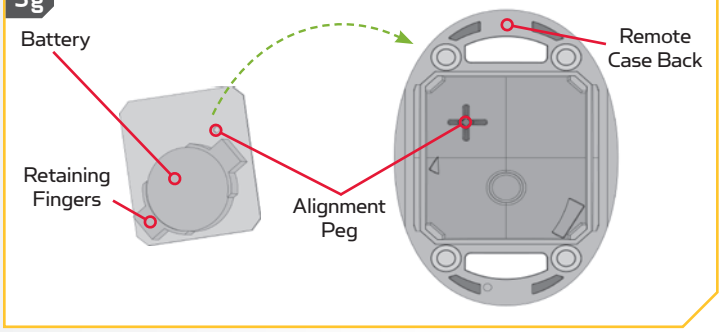
d. Reassemble the remote. Begin by removing the board from the front of the remote case. This is the same board that holds the battery. Leave the Keypad in place on the front of the remote.

e. Note that the alignment peg in the back of remote case must line up with the corresponding alignment hole in the circuit board. Place the board with the battery facing down on the back of the remote case.

3f



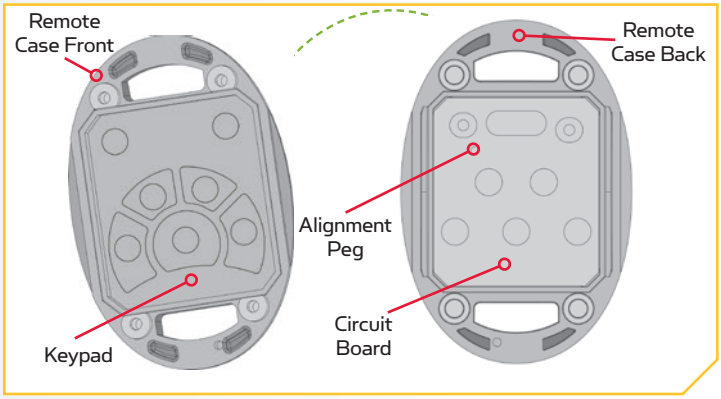
3g



4

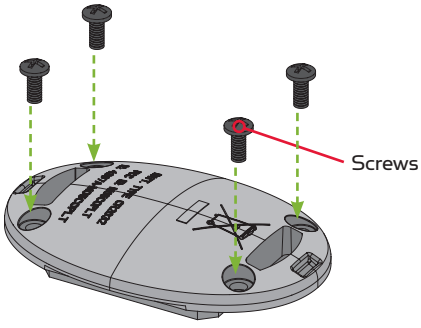
f. Position the back of the remote case so that the Alignment peg is towards the top when the remote is laying on a flat surface. Position the front of the remote case so the keypad and the curved buttons are towards the bottom when the remote is laying on a flat surface.

g. Keep the back of the Remote Case flat. Place the front of the Remote Case, with the Keypad is place, on the back of the Remote Case. Make sure the Case is seated.



5

h. Reinstall the four case screws and tighten them as required.



SERVICE & MAINTENANCE

PROPELLER REPLACEMENT

TOOLS AND RESOURCES REQUIRED

- 1/2" Open End Wrench
- Flat Blade Screwdriver

INSTALLATION

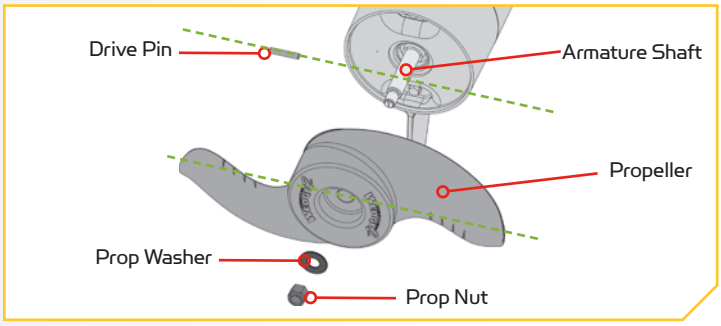
1

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

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

c. Remove the Prop Nut and Prop Washer.

NOTE: 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

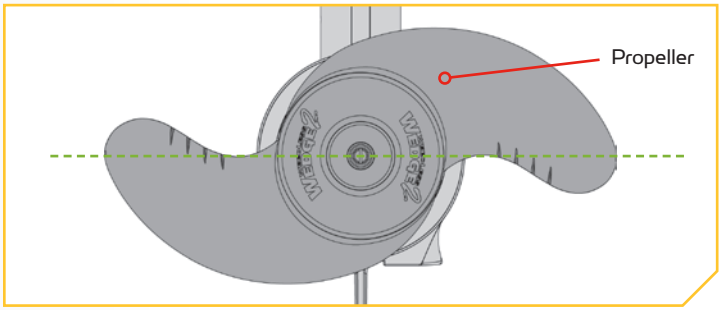
Disconnect the motor from the battery before beginning any prop work or maintenance.

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 to not bend the Armature Shaft while removing the prop by pulling the prop evenly off the Armature Shaft.



3

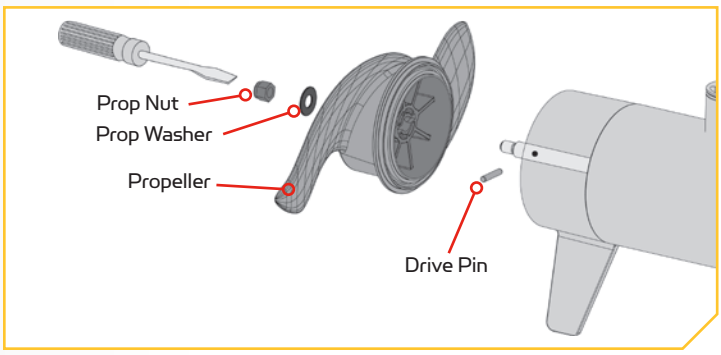
e. Align the new Propeller with the Drive Pin.

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.



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 propeller 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 propeller 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. Motor is difficult to steer:
   - Check steering cables for proper tension. Adjust as necessary.
4. You experience prop vibration during normal operation:
   - Remove and rotate the prop 180°. See removal instructions in the Propeller Replacement Section.
5. 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.

NOTE: For all other malfunctions, visit an Authorized Service Center. You can search for an Authorized Service Center in your area by visiting our Authorized Service page, found on-line or by calling our customer service.

TROUBLESHOOTING THE COPILOT

Cause	Effect	Solution
Remote is not transmitting.	The battery is discharged.	Replace battery.
	Receiver may not have "learned" the remote.	Remote needs to be learned. See the Adding/Removing Remotes section of this manual to learn the remote.
	With the foot pedal (if applicable) connected, the MOM-CON switch is in the CON position. An audio response will be heard if a button is pressed with the foot pedal in the CON position.	The foot pedal (if applicable) switch must be placed in Momentary Mode (MOM). The receiver will not accept any commands from the remote with the switch in the Constant Mode (CON) position.
	If remote has been taken apart, the keypad and top case may have been installed backwards.	Take remote apart. See the Replacing the Battery section of this manual and reinstall case halves with the proper orientation.
When receiver is powered up, it sounds a beep pattern (1 long beep, 2 short beeps, pause, repeat).	The foot pedal (if applicable) Momentary/ Constant Switch is in the CON position.	The foot pedal (if applicable) switch must be placed in the MOM position. The beeping sound will continue until the switch is placed in the MOM position.
The prop is not turning but the Prop ON audio pattern is still going.	Prop Speed is set at "0".	Increase the Prop Speed above "0"
	The Prop ON audio pattern occurs only in Audio Mode 3	Switch Audio Mode to either Audio 1 or 2. See the Audio Modes section of this manual.

COMPLIANCE STATEMENTS

ENVIRONMENTAL COMPLIANCE STATEMENT

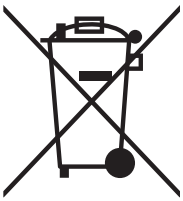
It is the intention of JOME to be a responsible corporate citizen, operating in compliance with known and applicable environmental regulations, and a good neighbor in the communities where we make or sell our products.

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.

WARNING

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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.

NOTE: 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

PARTS DIAGRAM & PARTS LIST

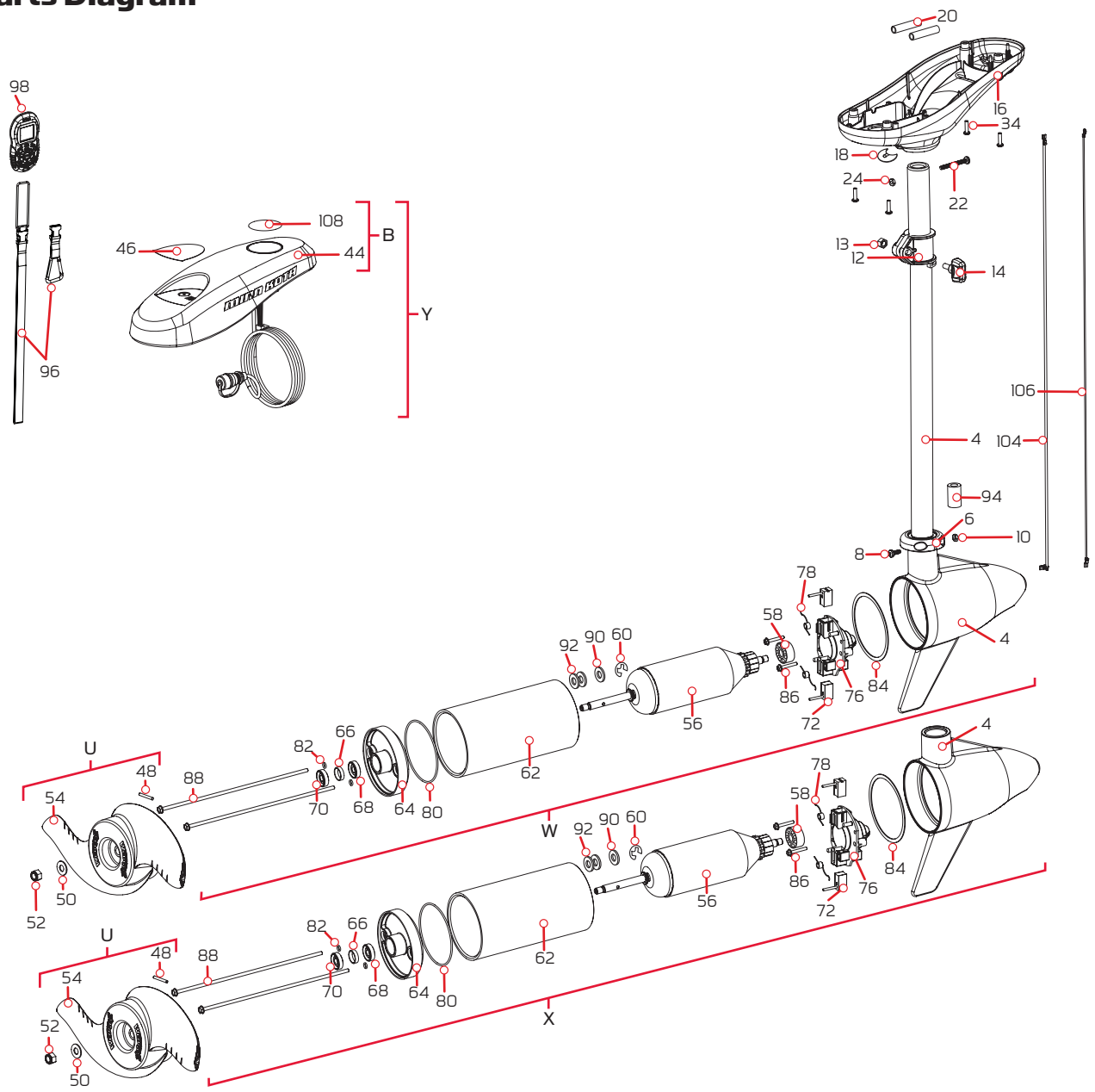
RIPTIDE POWERDRIVE

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 MOTOR

Motor Parts Diagram



12 volt - 3.625"

24 volt - 3.625"

Motor Parts List

Assembly	Part #	Description	Quantity
B	2770203 ♦	COVER KIT, RIPTIDE POWERDRIVE *I-PILOT COVER & DECALS ONLY*	1
W	2097095	MTR ASY 12V 3.62 VS 55# *SALTWATER*	1
X	2096056	MTR ASY 24V 3.62 VS 70#SW *SALTWATER*	1
U	1378131	PROP IND 2091160 (WDLS WDGII)	1
Y	2774054 ♦	MOTOR KIT, iP 1.6 RT POWERDRIVE *i-PILOT RECEIVER*	1
CC	2888460	SEAL & O-RING KIT *3.625*	1
Item	**Part #**	**Description**	**Quantity**
2	421-336	HSG BRUSH END 3.62 WHITE *SALTWATER*	1
4	2002000	TUBE COMPOSITE 48" RT/SP-WHT *SALTWATER*	1
	2002001	TUBE COMPOSITE 54" RT/SP-WHT *SALTWATER*	1
6	2301555	COLLAR-LATCH, PD/AP	1
8	2303434	SCREW-#8-32 X 5/8 MACH PHCR SS	1
10	2303112	NUT-#8-32 NYLOCK SS	1
12	2031522	COLLAR DRIVE (W/INSERT)	1
13	2323104	HEX NUT 1/4 - 20 SS	1
14	2011366	SCREW-COLLAR/NEW KNOB(SS) *SALTWATER*	1
16	2292506	CONTROL BOX A/P RT-WHITE *SALTWATER*	1
18	2224701	INSERT-PLUG, WHITE *SMALL HOLE* *SALTWATER*	1
	2224703	INSERT-PLUG, WHITE *NO-HOLE* *SALTWATER*	1
20	2305402	SHRINK TUBE-.374 OD X 2.25" *SALTWATER*	2
22	2332102	SCREW-#10-24 X 1-3/4 PPH SS *SALTWATER*	1
24	2333101	NUT-HEX #10-24 UNC-2B NYL SS *SALTWATER*	1
34	2372100	SCREW-#8-18 X 5/8 THD* (SS)	5
44	✖	MOTOR KIT, IP 1.6 RT POWERDRIVE	1
46	✖	DECAL-GENERIC, PUSH BTN TOP SW *SALTWATER*	1
48	2092600	PIN-DRIVE 1.06" LG (SS)	1
50	2151726	WASHER-5/16 STD (S/S)	1
52	2198400	ANODES, ZINC, 3.25/3.62" LWR UNT	1
54	2091160	PROP-WW2 (3 5/8") REAMED	1
56	2-100-119	ARM ASSY 24V 3.62 70# (WW2)	1
	2-100-117A	ARM ASY 12V 3.62 55#2.88"	1
58	140-010	BALL BEARING	1
60	788-015	RETAINING RING	1
62	2-200-304	CTR HSG ASY 3.6 SW/TX/W-MG	1
	2-200-301A	CTR HSG ASY 3.6 SW/TX/W-MGNTZ	1
64	2-400-337A	PLAIN END HSG ASY 3.6 TX/W	1

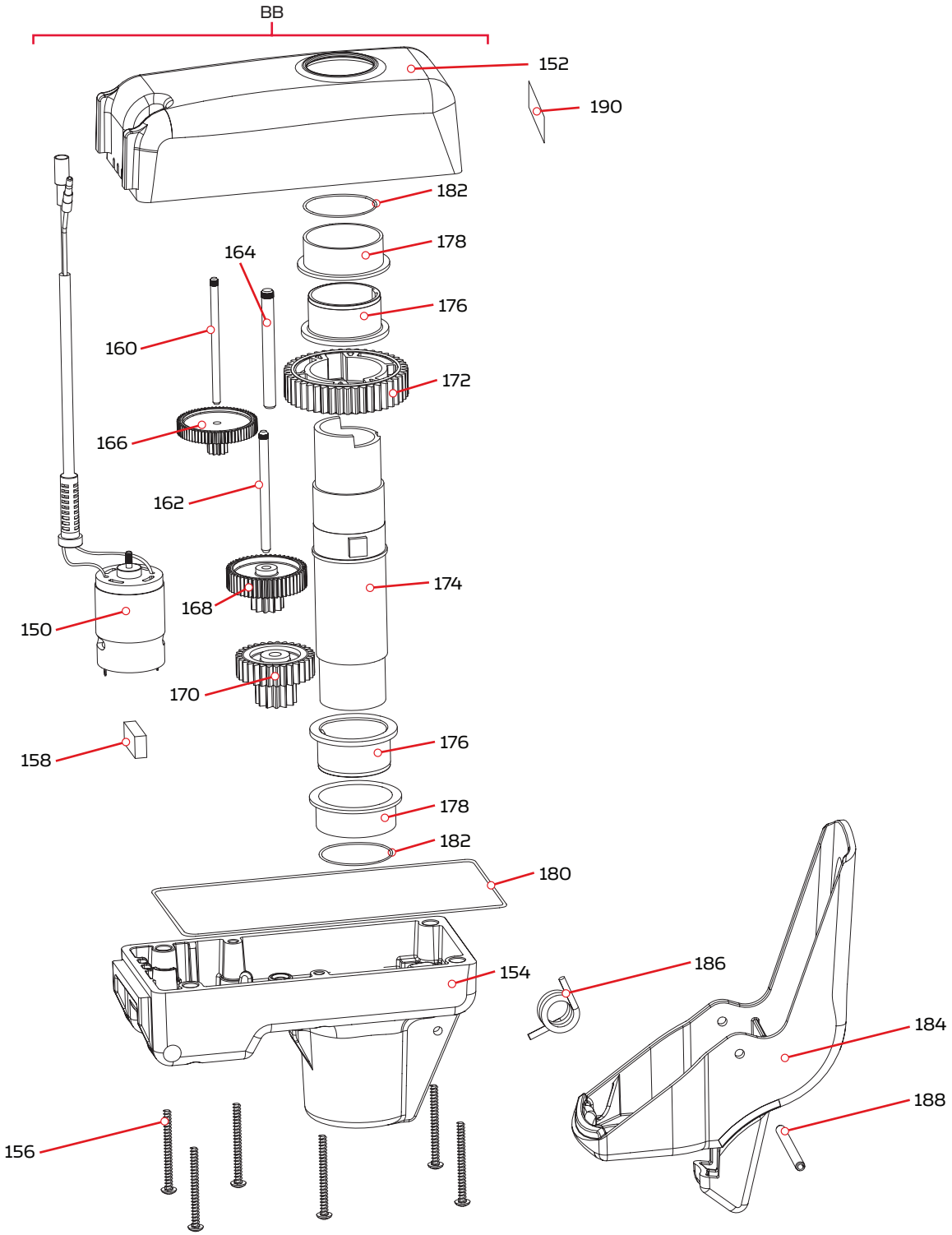
✖ This part is included in an assembly and cannot be ordered individually.
▲ Not shown on Parts Diagram.
♦ May only be available with i-Pilot.

Item	Part #	Description	Quantity
66	144-049	BEARING - FLANGE (SERVICE ONLY)	1
68	880-003	SEAL	1
70	880-006	SEAL WITH SHIELD	1
72	188-036	BRUSH ASSEMBLY 3.625 55#	2
	188-037	BRUSH ASSEMBLY 3.625 70# 6H3	2
76	738-036	BRUSH PLATE WITH HOLDER 3.625	1
78	975-040	SPRING-TORSION	2
80	701-041	O-RING	1
82	701-007	O-RING THRU BOLT	2
84	701-039	O-RING	1
86	830-007	SCREW, # 8-32	2
88	830-008	THRU BOLT 10-32 x 9.205	2
	830-042	THRU BOLT 10-32 X 8.83	2
90	990-067	WASHER - STEEL THRUST	1
92	990-070	WASHER - NYLATRON	2
94	2307314	BEAD-FERRITE	1
96	2390800 ♦	LANYARD, REMOTE W/ CARABINER	1
98	2994075 ♦	REMOTE ASSY, IPILOT 1.6	1
104	640-107	LEADWIRE RED 10AWG 65-1/2" GPT	1
	640-106	LEADWIRE RED 10 AWG 64 GPT	1
106	640-008	LEADWIRE BLK 10AWG 63-1/2" GPT	1
108	✖	DECAL, DOMED IPILOT SW	1

✖ This part is included in an assembly and cannot be ordered individually.
▲ Not shown on Parts Diagram.
♦ May only be available with i-Pilot.

RIPTIDE POWERDRIVE STEERING HOUSING

Steering Housing Parts Diagram

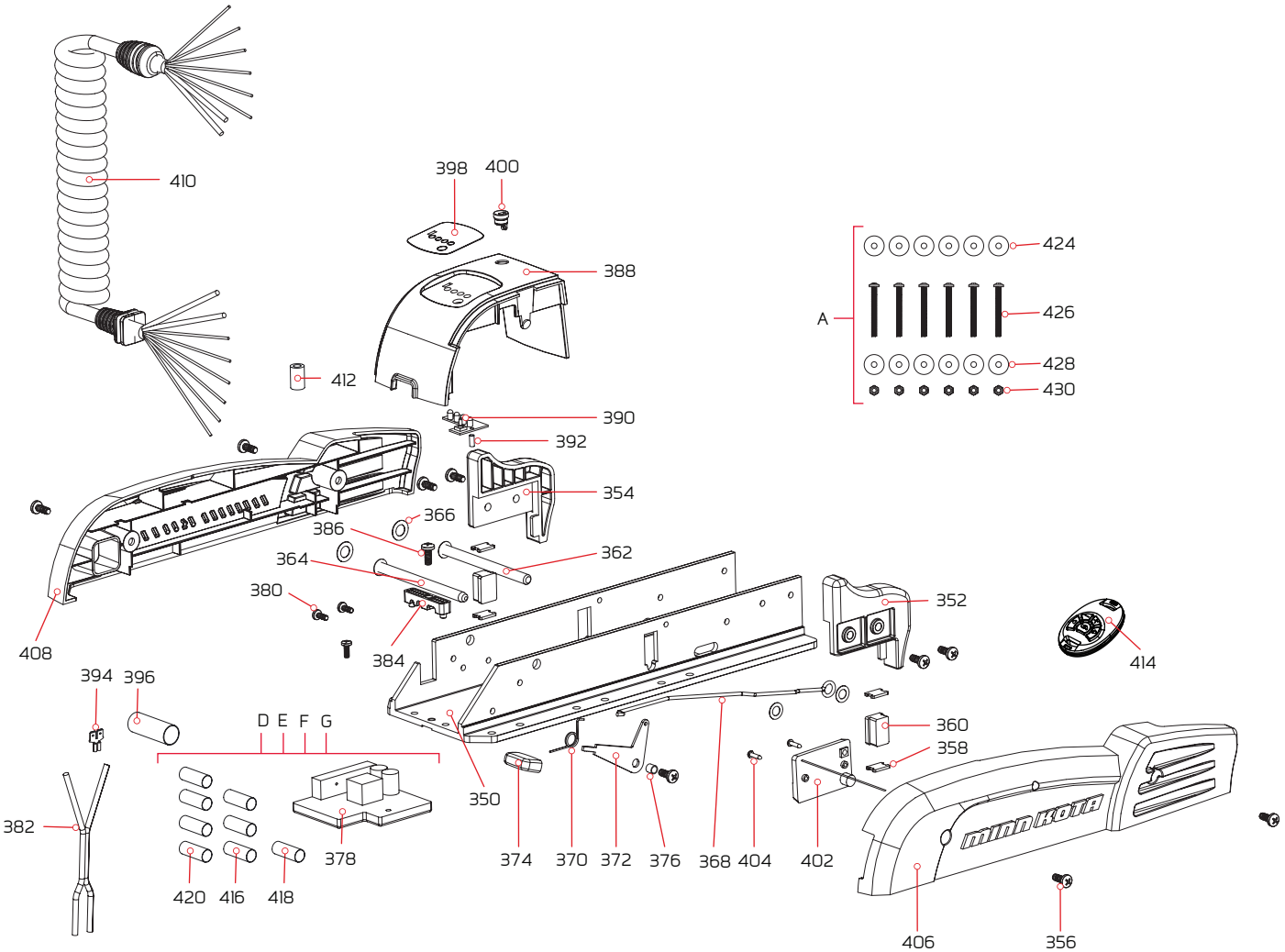


Steering Housing Parts List

Assembly	Part #	Description	Quantity
BB	2771827	DRIVE HOUSING ASSY, RT SP	1
Item	**Part #**	**Description**	**Quantity**
150	2307050	MOTOR DR.HSG PD/AP 12,24V	1
152	2302543	CASE-UPPER,ALUM, SW - WHITE	1
154	2302562	CASE-LOWER, ALUM, SW - WHITE	1
156	2303408	SCREW-#8-32 TYPE F TORX PH SS	6
158	2308601	BREATHER FILTER, DR.HOUSING	1
160	✖	SHAFT-GEAR, FIRST CLUSTER	1
162	✖	SHAFT-GEAR,INTERMED.CLUSTER	1
164	✖	SHAFT-GEAR, THIRD CLUSTER	1
166	2302245	GEAR & PINION,DR. HSG, STAGE 2	1
168	2302250	GEAR & PINION,DR. HSG, STAGE 3	1
170	2302255	GEAR & PINION,DR. HSG, STAGE 4	1
172	2302260	GEAR-OUTPUT SHAFT,STG 5	1
174	2302010	SHAFT-OUTPUT, DR.HOUSING	1
176	2307304	BUSHING-INNER, UPPER/LOWER	2
178	2307305	BUSHING-OUTER, UPPER/LOWER	2
180	2304603	O-RING-SHAFT SEAL UPPER/LOW	2
182	2304604	O-RING-CASE SEAL	1
184	2307201	LEVER,GRIP GLIDE II	1
186	2302750	SPRING-LATCH,TORSION,PD/AP,S/S	1
188	2302628	PIN-ROLL,3/16 X 2.5" SS	1
190	2305564	DECAL - STOW/DEPLOY	1

RIPTIDE POWERDRIVE MOUNT

Mount Parts Diagram



Mount Parts List

Assembly	Part #	Description	Quantity
A	2994864	BAG ASSEMBLY - (BOLT, NUT, WASHERS)	1
D	2884058	CONTROL BOARD-24V V2 W AP W/SHRNK *AUTOPILOT*	1
E	2884055	CONTROL BRD-12V V2 W/O AP W/SHRNK	1
F	2884057	CONTROL BOARD-12V V2 W/AP W/SHRNK *AUTOPILOT*	1
G	2884056	CONTROL BRD-24V V2 W/O AP W/SHRNK	1
Item	**Part #**	**Description**	**Quantity**
350	2301937	EXTRUSION BASE PD V2 *SALTWATER*	1
352	2303932	MOTOR REST-RIGHT, 3 5/8"	1
	2303930	MOTOR REST-RIGHT, 3 1/4"	1
354	2303937	MOTOR REST-LEFT, 3 5/8"	1
	2303935	MOTOR REST-LEFT, 3 1/4"	1
356	2332104	SCREW-1/4-20 X 5/8 S/S *SALTWATER*	9
358	2335110	PAD-PIVOT SUPPORT(SS) *SALTWATER*	4
360	2305103	PIVOT PAD,559 FB DUROMETER 90A	2
362	2330510	PIN-LATCH (PD BASE)SS *SALTWATER*	1
364	2330520	PIN-PIVOT (PD BASE)SS *SALTWATER*	1
366	2333100	NUT-SPEED (SS) *SALTWATER*	4
368	2303612	ROD-RELEASE (RT/AP) S/S	1
370	2322700	SPRING-TORSION	1
372	2333705	LEVER-RELEASE S/S *SALTWATER*	1
374	2300101	RELEASE-KNOB	1
376	2301700	SPACER-RELEASE LEVER-BRASS	1
378	2304067	CONTROL BOARD-24V V2 W/AP *AUTOPILOT*	1
	2304064	CONTROL BRD-12V V2 W/O AP	1
	2304066	CONTROL BOARD-12V V2 W/AP *AUTOPILOT*	1
	2304065	CONTROL BRD-24V V2 W/O AP	1
380	2303434	SCREW-#8-32 X 5/8 MACH PHCR SS	3
382	2090651	LEADWIRE,10 GA	1
	2266730	LEADWIRE w/PLUG,12/24V,PD,TRKR *TRACKER BOATS EXCLUSIVE*	1
384	2321310	STRAIN RELIEF	1
386	2323405	SCREW-1/4-20 X 1/2" MCH SS	1
388	2306571	HOUSING-CENTER RT-WHITE *SALTWATER*	1
390	2074081	BATTERY METER, 24V *SALTWATER*	1
	2074080	BATTERY METER, 12V *SALTWATER*	1
392	2383428	SCREW-#4-24 X 5/8 HI-LO SS	1
394	2320710	TERMINAL-AMP (T-TAB)	1

PARTS DIAGRAM & PARTS LIST

Item	Part #	Description	Quantity
396	2325401	SHRINK TUBE-3/4 ID X 2" W/ADHS	1
398	2305502	DECAL,BATTERY METER PD V2 SW *SALTWATER*	1
400	2302935	STRAIN RELIEF-DR. HOUSING	1
402	2994112	TRANS/REC ASY PD V2 SW *COPILOT ONLY* *SALTWATER*	1
404	2373418	SCREW-#8 X 5/8 PPHSMS S/S *COPILOT ONLY* *SALTWATER*	2
406	2303972	SIDEPLATE-RIGHT RT-WHITE * SALTWATER*	1
408	2303977	SIDEPLATE-LEFT RT-WHITE *SALTWATER*	1
410	2991284	COIL CORD W/STRAIN RLF,PD 60"	1
	2991280	COIL CRD W/STRN RLF, PD 48"/54"	1
	2991283	COIL CORD W/STRN RLF, PD 48"/54"	1
412	2307313	BEAD-FERRITE	1
414	2994020	TRASMTR, ASY, PD/AP COPLT *COPILOT ONLY* *SALTWATER*	1
416	2305410	SHRINK TUBE-.315 OD X 2.25" *SALTWATER*	3
418	2305415	SHRINK TUBE-.472 ID X 2.25" *SALTWATER*	1
420	2305403	SHRINK TUBE-.500 IDX1.0" ADHSV *SALTWATER*	4
424	2263462	SCREW-1/4-20 X 2" S/S PPH ADJT	6
426	2261713	WASHER-1/4 FLAT 18-8 SS	6
428	2263103	NUT-1/4-20 NYLOCK SS	6
430	2301720	WASHER-MOUNTING - RUBBER	6

RECOMMENDED ACCESSORIES

ON-BOARD & PORTABLE BATTERY CHARGERS

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

MK212PC

MK210D

MK110P

TALON SHALLOW WATER ANCHOR

Talon deploys faster, holds stronger and runs quieter than any other shallow water anchor. Available in depths up to 12' and bold color options including camo, it boasts an arsenal of features and innovations that no other anchor can touch:

- Vertical, Multi-Stage Deployment
- User-Selectable Anchoring Modes
- 2x Anchoring Force
- Fast Deploy
- Auto Up/Down
- Triple Debris Shields
- Built-In Wave Absorption
- Noise Dissipation
- Versatile Adjustments

MINN KOTA ACCESSORIES

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

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

Find out more about performance boat parts and hardware we have.