

EDGE

BOW-MOUNT TROLLING MOTOR

OWNER'S MANUAL

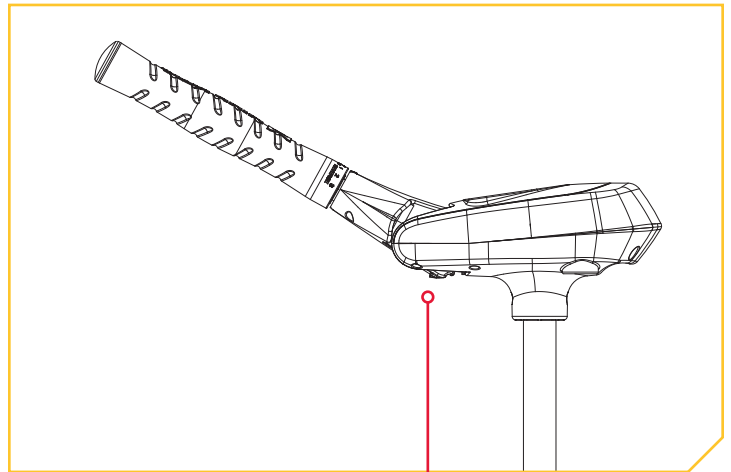
INTRODUCTION

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.

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.



NOTICE: The serial number on your Edge is located under the Tilt/Extend Tiller.

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 who lack the 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.

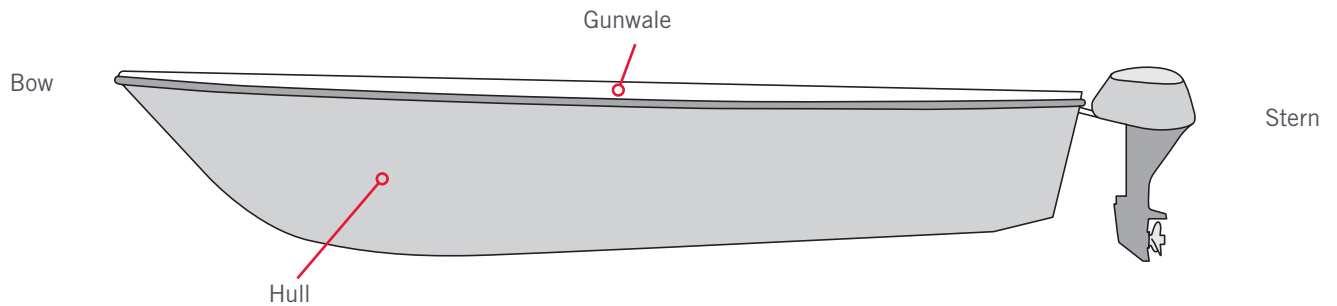
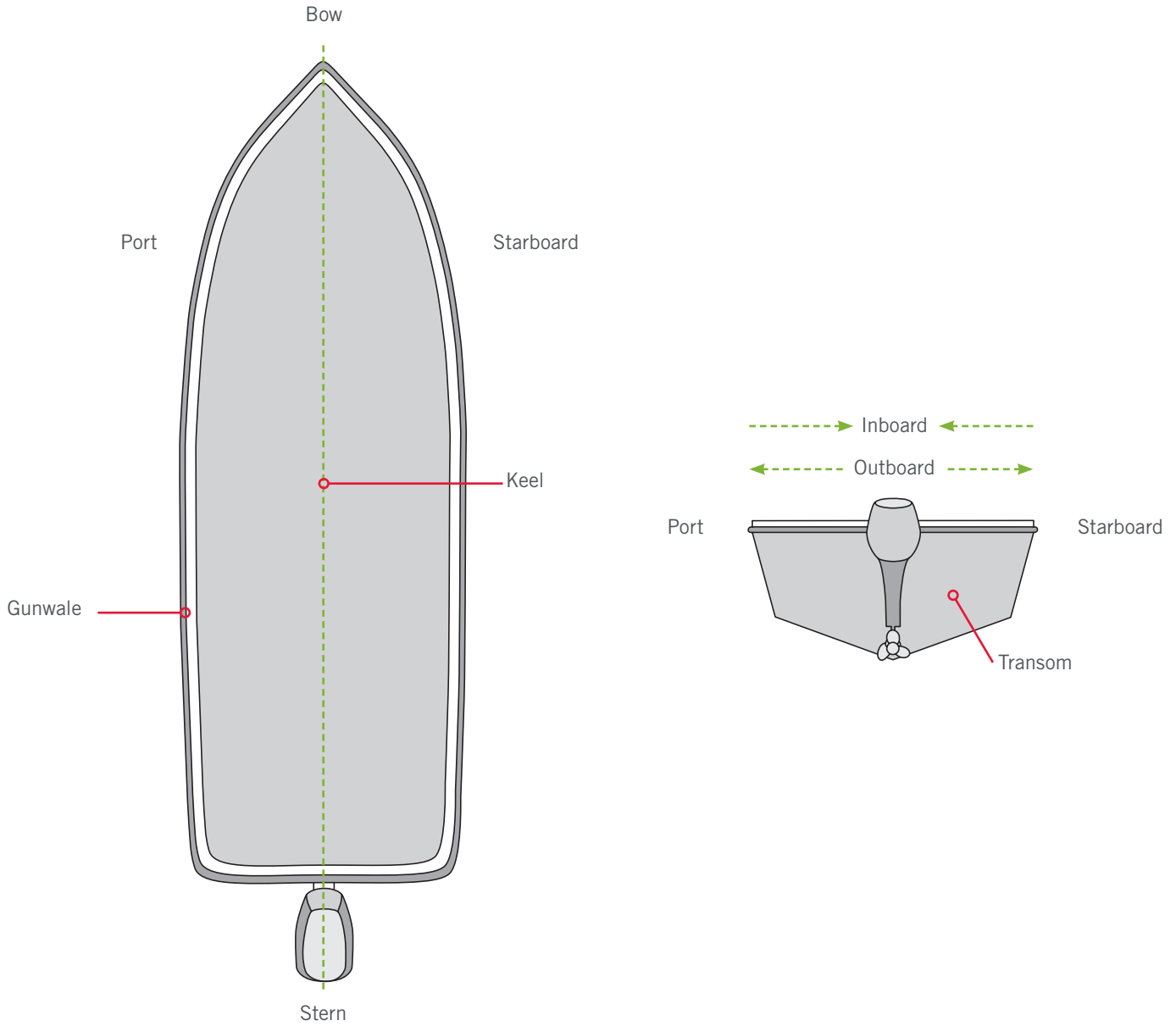
WARNING

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.

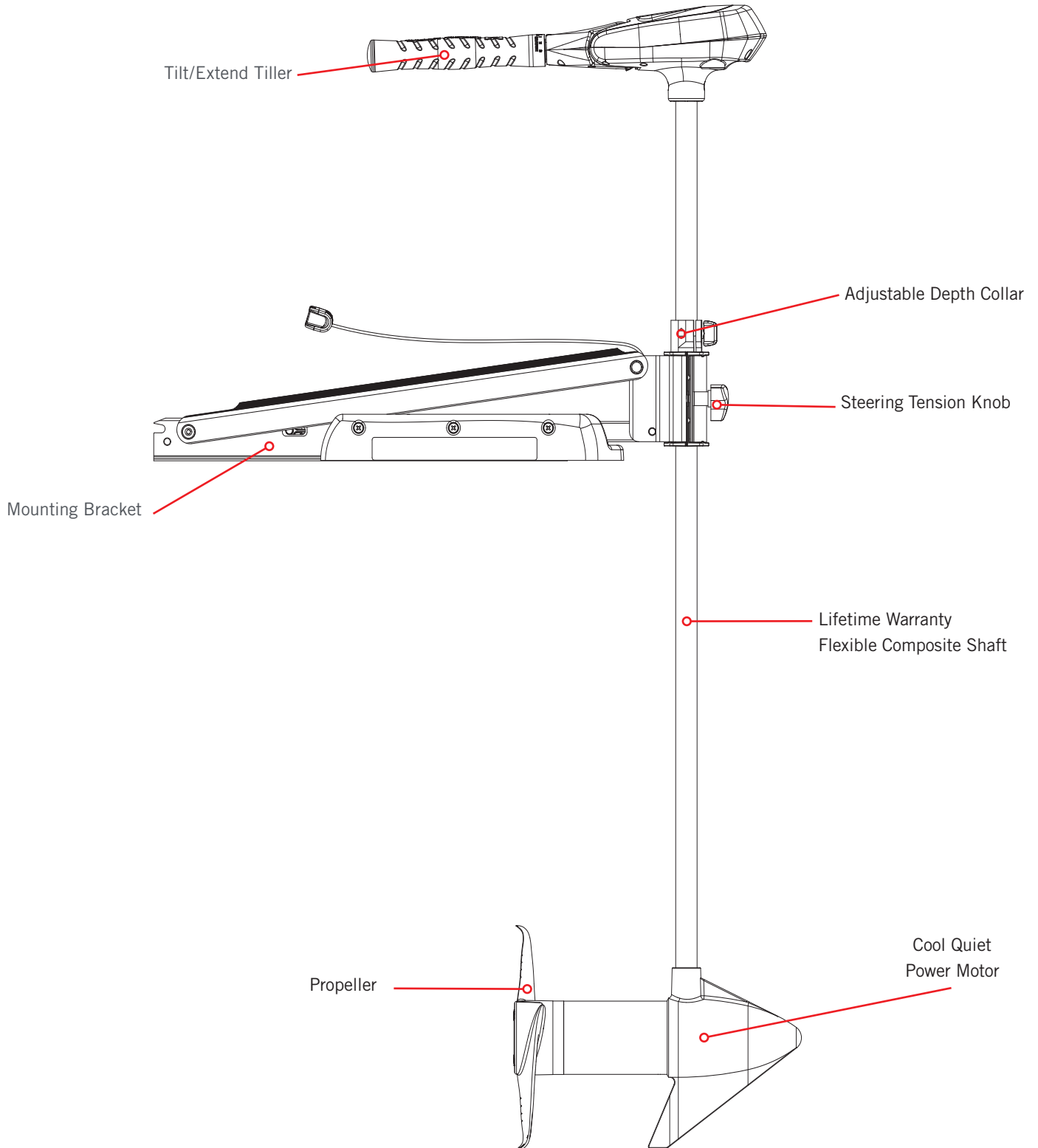
WARNING

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



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

INSTALLATION

TOOLS AND RESOURCES REQUIRED >

- #3 Phillips Screw Driver
- 9/32" Drill Bit
- A second person to help with the installation
- Drill
- 7/16" Box End Wrench

INSTALLATION >

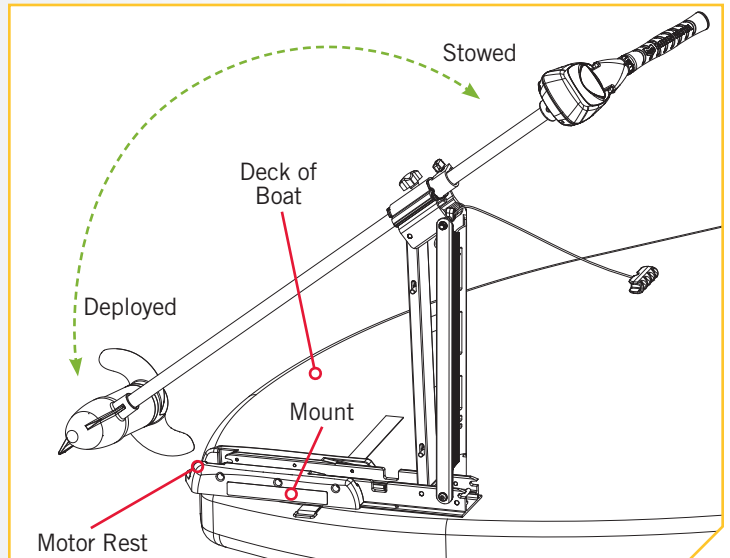
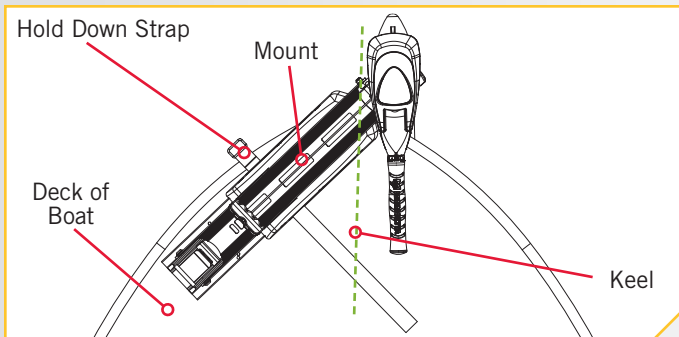
MOUNT INSTALLATION

Please review the following guidelines before beginning the installation of the Edge:

- The Motor should be mounted as close to the centerline or keel of the boat as possible when it is deployed.
- Make sure the bow area under the chosen location is clear and unobstructed for drilling.
- Make sure the Motor Rest is positioned far enough beyond the edge of the boat. The motor, as it is lowered into the water or raised into the boat, must not encounter any obstructions.

NOTICE: We recommend that you have another person help with this procedure.

- 1** a. Review the mounting considerations at the beginning of this section. Place the Mount as close to the centerline or keel of the boat as possible, with the Motor in the deployed position, on the deck of the boat. Check placement with the Motor in the stowed and deployed positions.



WARNING

When raising or lowering motor and tilting motor, keep fingers clear of all hinge and pivot points and all moving parts.

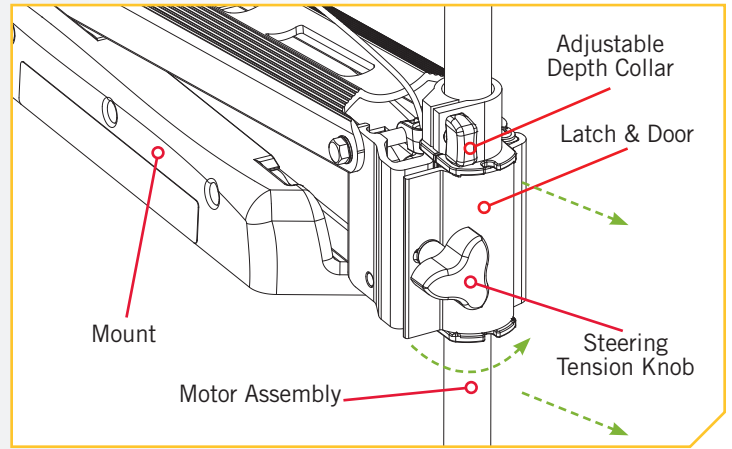
WARNING

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

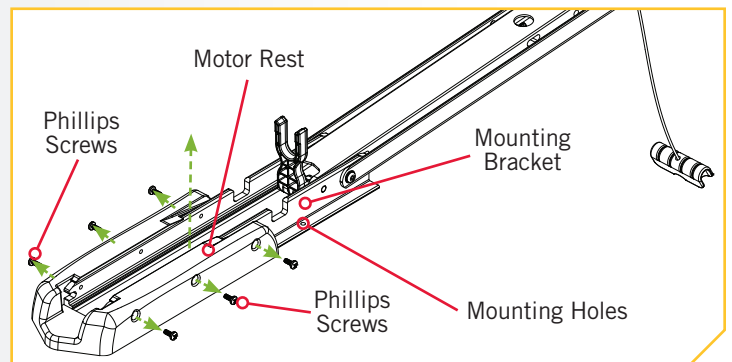
- 2** b. Deploy the Motor and remove the Motor Assembly from the Mount by loosening the Steering Tension Knob and opening the door.

CAUTION

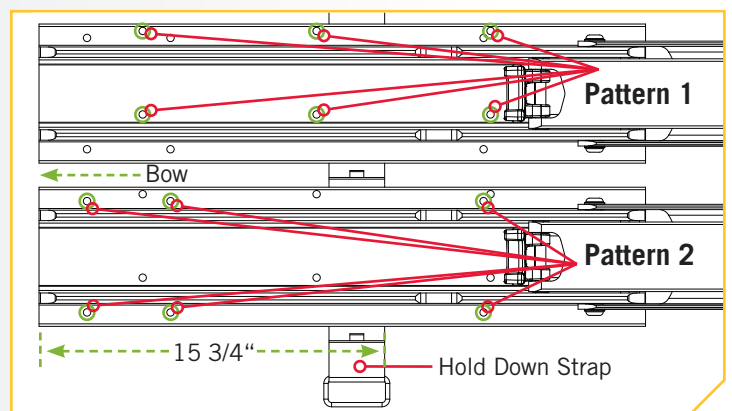
Prior to opening this hinge door, relieve mount pressure by pulling on the rope to disengage the mount latch pin.



- 3** c. Position the Mount again in the stowed position.
d. Temporarily remove the six Phillips Screws that fasten the Motor Rest to the Mounting Bracket and remove the Motor Rest to expose the motor mounting hole pattern.



- 4** e. Determine the mounting hole pattern you wish to use. Using the Mounting Holes in the Mount as your template, mark the top deck of the boat with a pencil or an erasable marker.
f. Remove the Mount from the deck of the boat and drill the holes that you marked in the previous step using a 9/32" drill bit and drill. Be careful not to damage any wiring or critical features that may exist under the surface you are drilling through.
g. Place the Mount on the deck of the boat again and verify the Hold Down Strap is positioned 15 3/4" from the front of the bow mount as shown in the diagram.
h. Fasten the Mount to the deck of the boat using the supplied 1/4" – 20 X 2" Bolts, Washers and Nuts. Tighten the stainless mount hardware securely but slowly to the deck of the boat using a 7/16" box end wrench.

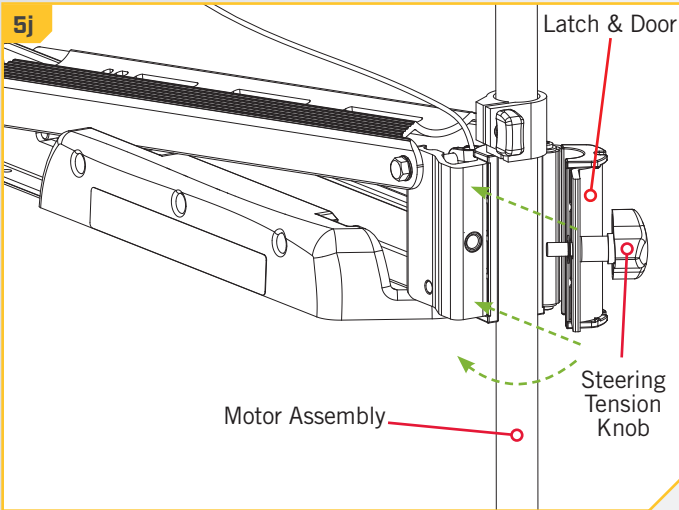


NOTICE: To prevent seizing of the stainless steel hardware, do not use high speed installation tools. Wetting the screws or applying an anti-seize may help prevent seizing.

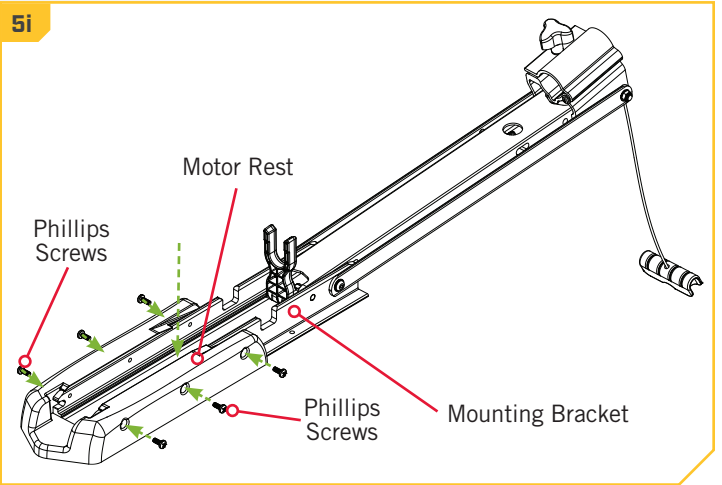
INSTALLATION

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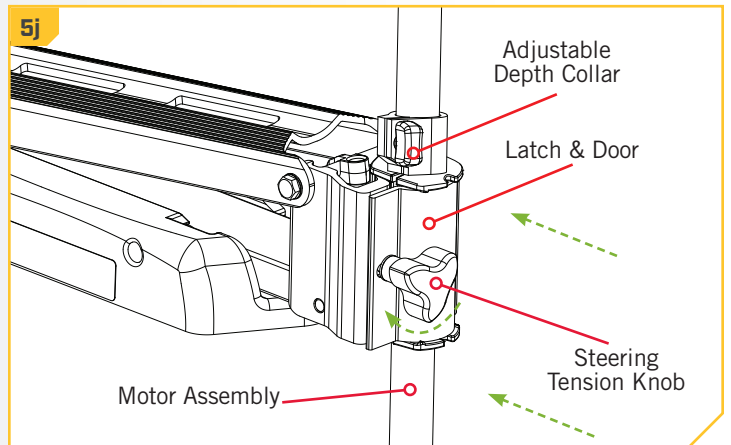
- i. Reinstall the Motor Rest using the six original ¼" Phillips Screws.
- j. Reinstall the Motor Assembly into the Mount and securely tighten the Steering Tension Knob.



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5j



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 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	8 AWG	8 AWG	8 AWG	8 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	6 AWG	6 AWG	4 AWG	2 AWG	2 AWG
E-Drive	40	50 Amp @ 48 VDC	10 AWG	10 AWG	10 AWG	10 AWG	10 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

SELECTING THE CORRECT BATTERIES

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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.

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 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.

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› 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 a multi-battery system will cause significant damage to your trolling motor and electronics. The only trolling motor battery that is safe to connect to one of these systems is the “Low Side” Battery.

CONNECTING THE BATTERIES

› 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**

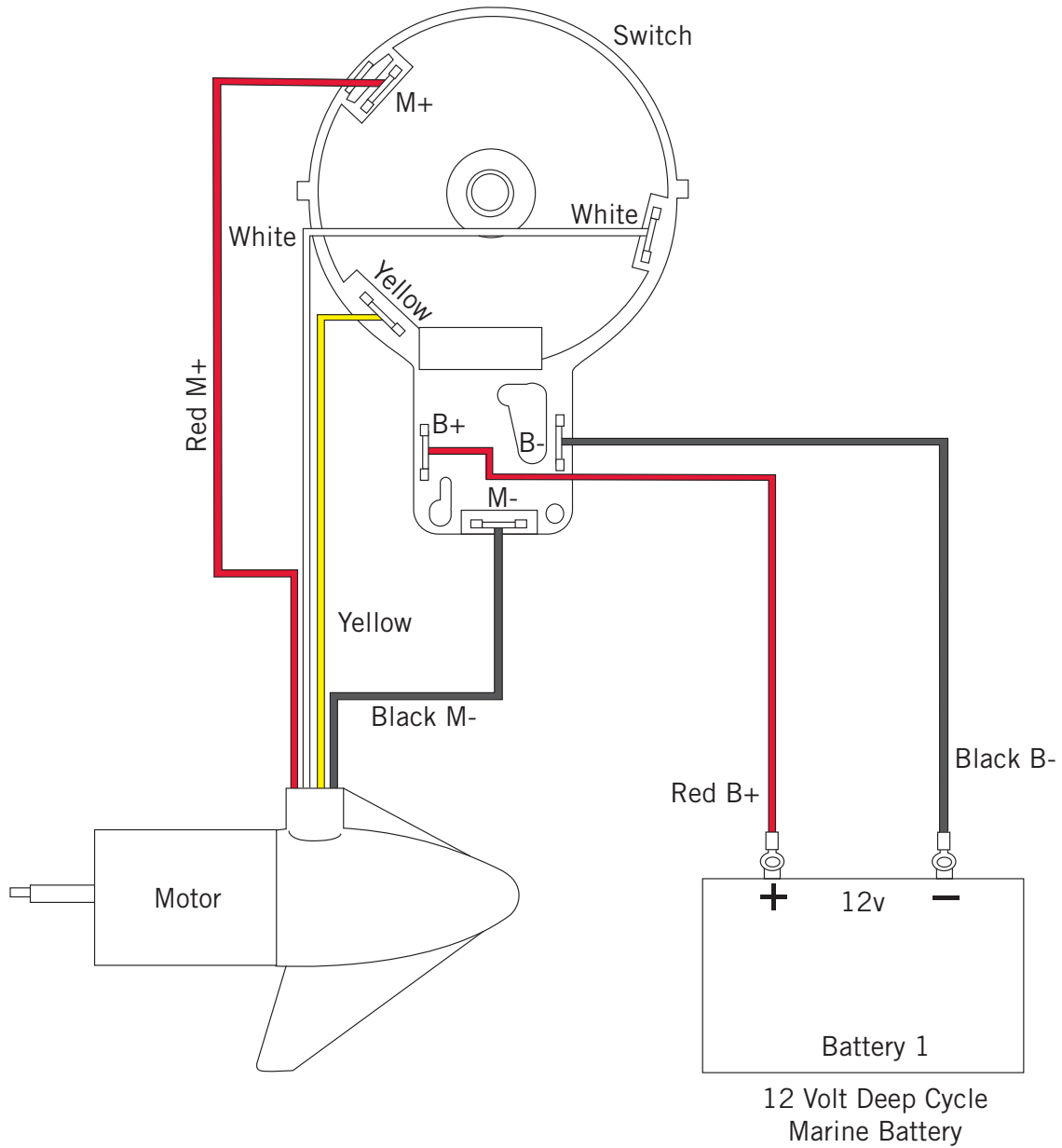
- For safety reasons, disconnect the motor from the battery or batteries when the motor is not in use or while the battery/batteries are being charged.
- Improper wiring of 24/36 volt systems could cause battery explosion.
- Keep leadwire wing nut connections tight and solid to battery terminals.
- Locate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



MOTOR WIRING DIAGRAM

EDGE

The following Motor Wiring Diagram applies to all Edge Hand Control models.

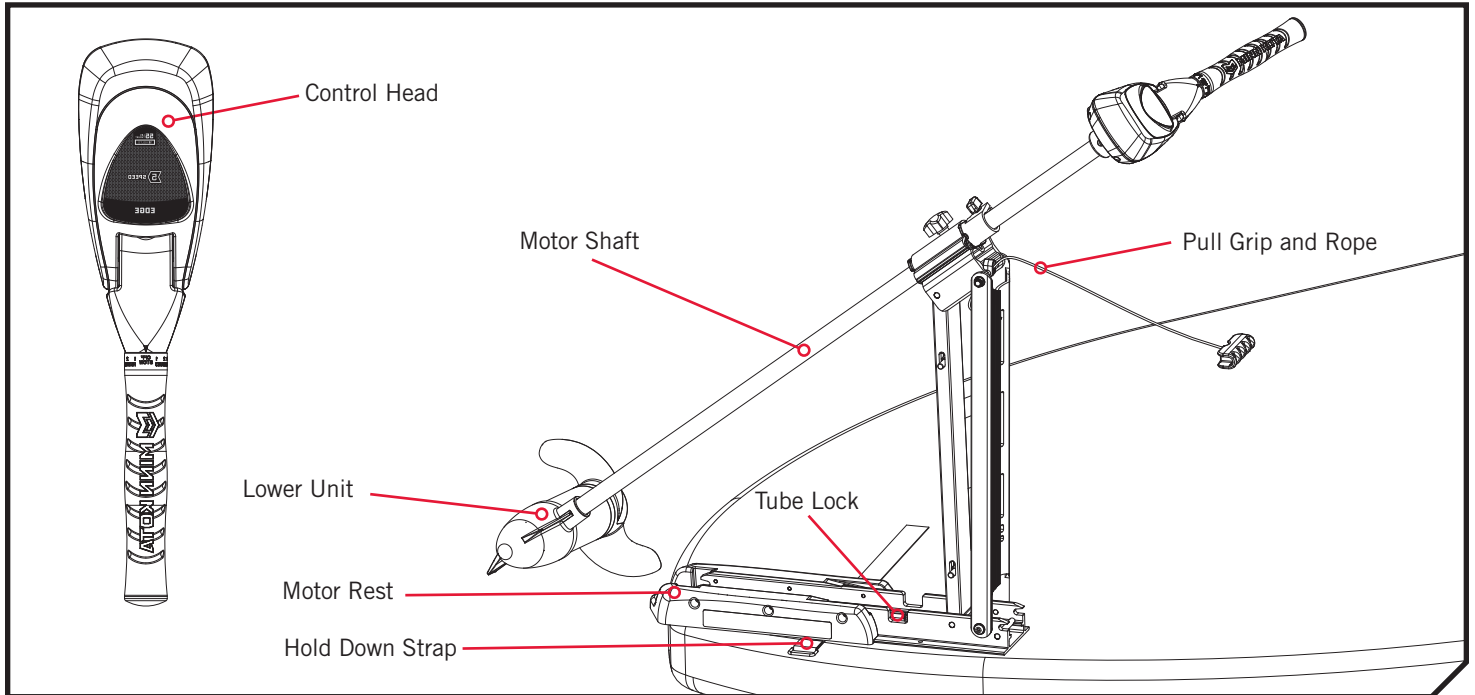


NOTICE: This is a multi-voltage diagram. Double-check your motor's voltage for proper connections. Over-Current Protection Devices are not shown in this illustration.

USING & ADJUSTING THE MOTOR

MOUNT FEATURES

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



- The Motor Mount is designed to fold back and lock the motor flat on the deck when not in use and to provide secure stowage for transport.
- The Pull Grip and Rope releases the Lock Bar, which automatically engages when the unit is lowered or raised into position. The Pull Grip and Rope should be used to both lower and raise the unit.
- The Motor Rest positions the lower unit as it comes in contact with the nose of the Mount and guides it onto the Motor Rest.
- The Tube Lock captures the Motor Shaft and keeps the lower unit centered on the Motor Rest.
- The Hold Down Strap must be used to place pressure on the Motor Shaft to hold the Lower Unit tightly against the Motor Rest when stowed.
- The Pull Grip and Rope can be stored by placing the pull grip on top of the Tube Lock.



WARNING

The Edge is not intended to be a primary propulsion motor. Heavy use of the motor can cause elevated motor temperatures, which can be increased by an excessively hot operating environment. Use care when handling the Control Head to avoid burns or injuries from excessive heat. In the event that the motor or speed control would break, always be prepared to take manual control of the boat.



WARNING

The prop may turn on unexpectedly if the control board fails. Prevent injury from a turning propeller and always know how to quickly disengage the power.



WARNING

Be alert for unexpected boat movement when operating the Edge. The boat may encounter sharp turns and jolts if the steering is changed sharply or if broad changes in speed are made while operating. Maintain balance and observe safe motor operation.

USING & ADJUSTING THE MOTOR

STOWING AND DEPLOYING THE MOTOR

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.

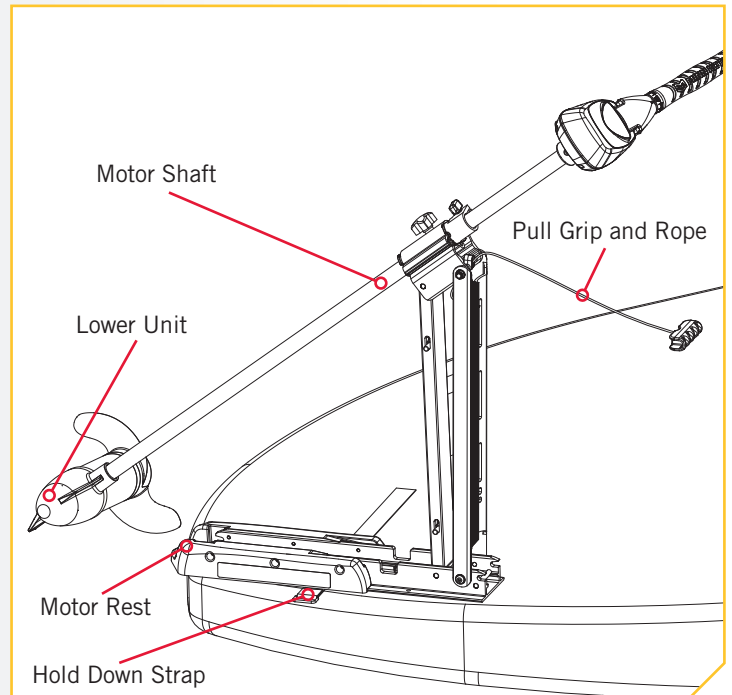
WARNING

Moving the motor creates a variety of pinch points. The Control Head will create a pinch point if the Depth Adjustment Knob is loosened and the Control Head slides to the top of the Mount. Grasp the Shaft and prevent it from sliding all the way down to prevent the pinch point. Grasp the motor away from the area that may come in contact with another area of the motor to prevent injury.

WARNING

When the motor is being transported, on water or land, it is important to place the Motor completely out of water. The Motor should be positioned up close to the Mount. Always secure the Depth Adjustment Knob and slide the collar down to the top of the Mount for added security during transport and then secure the Hold Down Strap. 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.

- 1**
 - a. To **deploy** the Motor, simply pull back and lift the Motor off of the mount with the Pull Grip and Rope. Lower the Motor into the water using the Pull Grip and Rope. The Motor will lock into the deployed position automatically.
 - b. To **stow** the Motor, pull back and lift the Motor out of the water with the Pull Grip and Rope. Lower the motor Lower Unit onto the Motor Rest using the Pull Grip and Rope. The Motor will lock into the stowed position automatically. Wrap the Hold Down Strap over top of the Motor Shaft to secure the Motor.



ADJUSTING THE DEPTH OF THE MOTOR

MOTOR ADJUSTMENTS >

> Adjusting the Depth of the Motor

When setting the depth be sure the top of the Motor is submerged at least 12" to avoid churning or agitation of surface water. The propeller must be completely submerged.

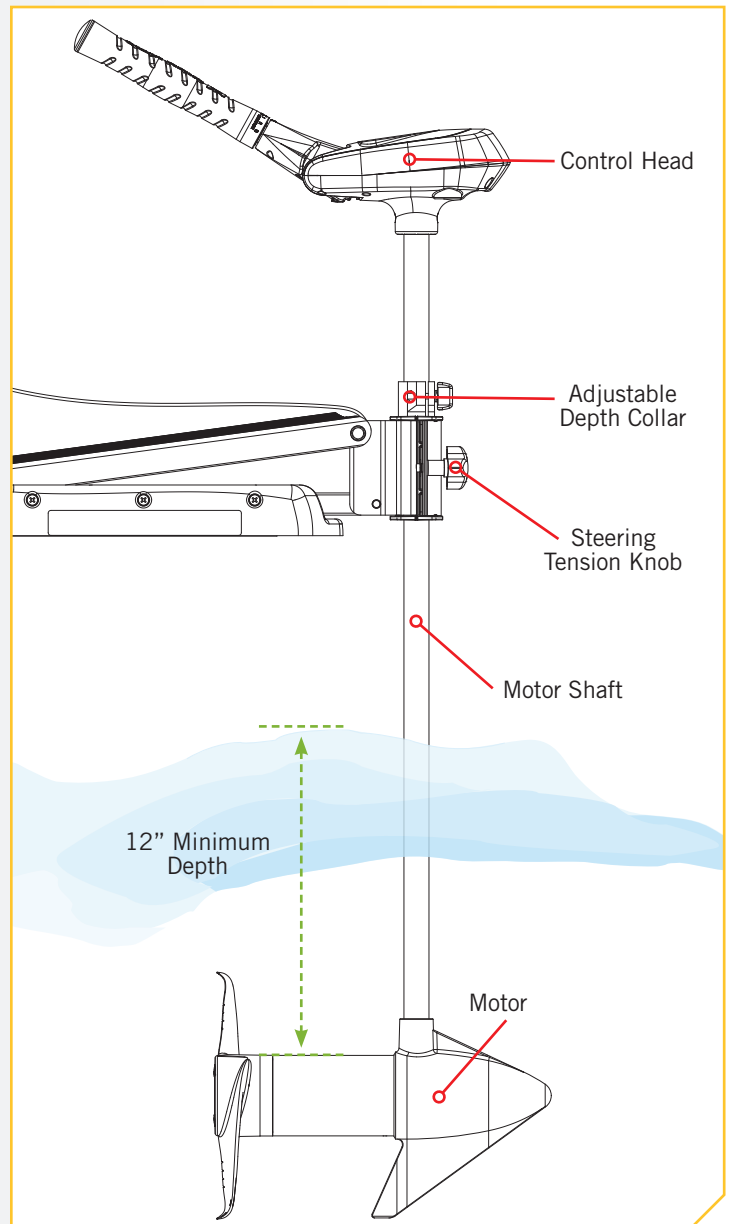
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- a. With the Motor deployed, firmly grasp the Shaft or Control Head and hold it steady.
- b. Loosen the Adjustable Depth Collar and Steering Tension Knob until the Shaft slides freely.
- c. Raise or lower the Motor to the desired depth.
- d. Turn the Control Head to the desired position.
- e. Tighten the Depth Adjustment Collar and Steering Tension 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.

WARNING

The Control Head will create a pinch point if the Depth Adjustment Knob is loosened and the motor Control Head slides to the top of the Mount. Grasp the Shaft and prevent it from sliding all the way down to prevent the pinch point. Grasp the Motor away from the area that may come in contact with another area of the Motor to prevent injury.



ADJUSTING THE DEPTH OF THE MOTOR

Controlling Speed & Steering with the Tiller

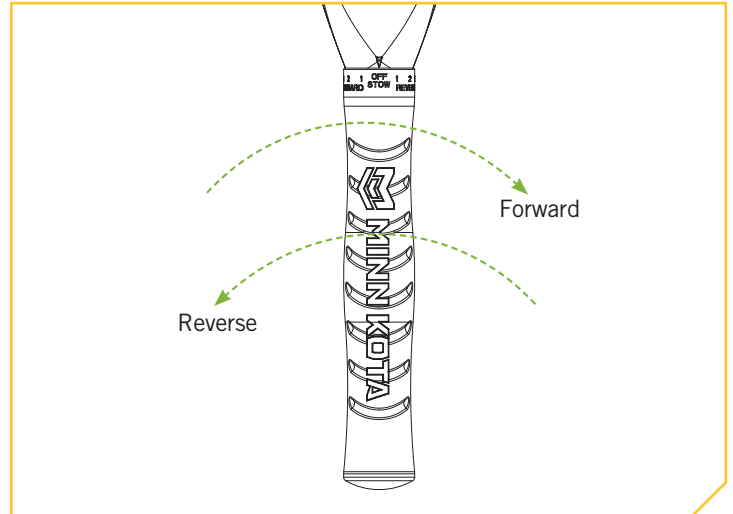
This Motor offers 5 forward and 3 reverse speeds. The speed control may be operated in either direction, forward or reverse. Turn the tiller handle counterclockwise from (OFF) to increase reverse speed and clockwise from (OFF) to increase forward speed. Speed decreases as you approach (OFF) from either direction.

WARNING

When the Motor is not in use, always turn the Tilt/Extend Tiller handle to "OFF/STOW". If the handle is set or accidentally engaged or bumped and is not positioned to "OFF/STOW" the prop will turn on unexpectedly. The prop may also turn on unexpectedly if the control board or 5 position switch fails. Prevent injury from a turning propeller and always know how to quickly disengage the power or correct the Tilt/Extend Tiller to turn the prop off.

WARNING

The Edge is not intended to be a primary propulsion motor. Heavy use of the motor can cause elevated motor temperatures, which can be increased by an excessively hot operating environment. Use care when handling the control head to avoid burns or injuries from excessive heat. In the event that the motor or speed control would break, always be prepared to take manual control of the boat.



WARNING

Be alert for unexpected boat movement when operating the Edge. The boat may encounter sharp turns and jolts if the steering is changed sharply or if broad changes in speed are made while operating. Maintain balance and observe safe motor operation.

ADJUSTING THE DEPTH OF THE MOTOR

Adjusting the Tilt/Extend Tiller

Your trolling motor features 7 usable handle tilt positions: 45°, 30°, and 15° up and down from the 0° (horizontal) position. To use the down positions, you must first press the release button located on the left underside of the pivot handle.

Your trolling motor handle also features a unique stow position, that is useful for limiting the amount of space required for storage or travel.

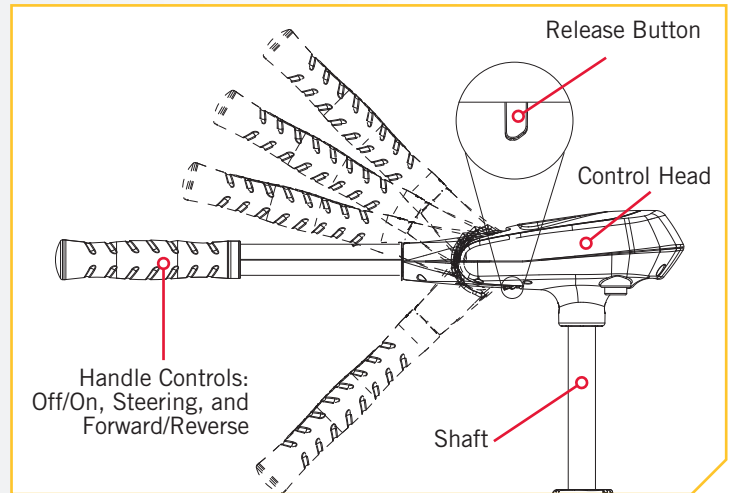
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- a. Place the Tiller handle in the Off/Stow position, then press the Release Button located on the left underside of the pivot handle. Push the handle down until you feel the handle “lock in” to the stowed position. This will be almost parallel to the motor Shaft.
- b. To extend the handle, pull the handle towards you to the desired position. The handle will extend a full 6 inches. To retract, push the handle in until it meets the face of the motor Control Head.



WARNING

The Edge is not intended to be a primary propulsion motor. Heavy use of the motor can cause elevated motor temperatures, which can be increased by an excessively hot operating environment. Use care when handling the Control Head to avoid burns or injuries from excessive heat. In the event that the motor or speed control would break, always be prepared to take manual control of the boat.



WARNING

The position of the Tilt/Extend Tiller may create a pinch point between it and the Control Head. Grasp the motor away from the area that may come in contact with another area of the motor to prevent injury.



CAUTION

Before attempting to put the handle in the stowed position, the speed selector must be in the OFF/STOW position. Failure to do so will damage the internal mechanism.

SERVICE & MAINTENANCE

PROPELLER REPLACEMENT

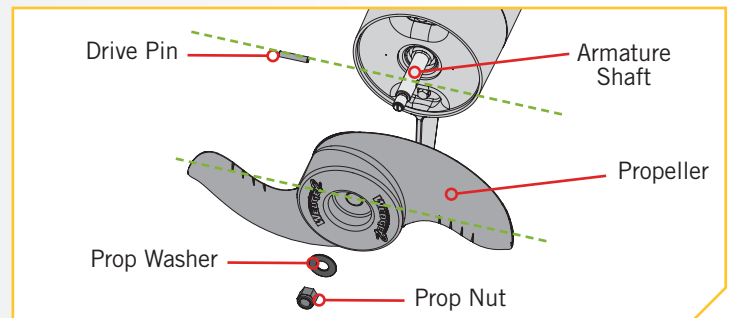
TOOLS AND RESOURCES REQUIRED >

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

INSTALLATION >

- Disconnect the motor from all sources of power prior to changing the propeller.
 - Hold the propeller and loosen the Prop Nut with a pliers or a wrench.
 - 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.



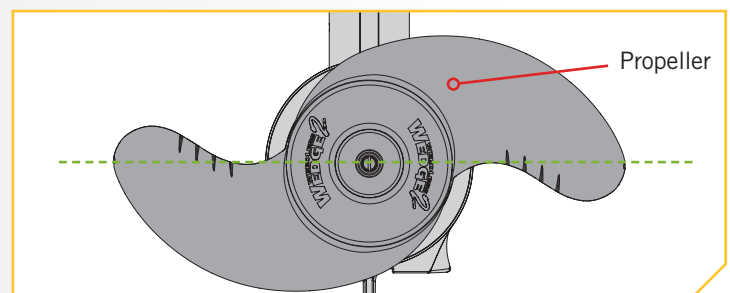
CAUTION

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

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

CAUTION

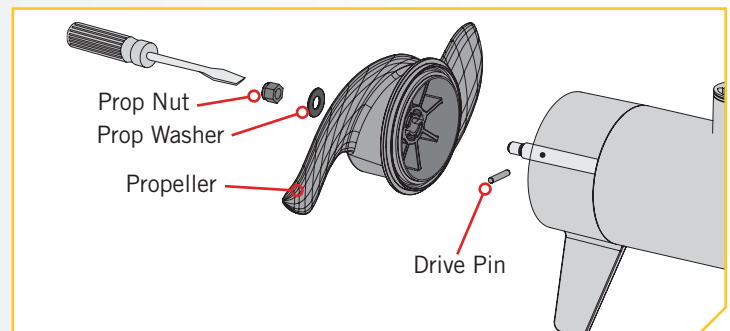
If the prop does not readily slide off, take care to not bend the Armature Shaft while removing the prop by pulling the prop evenly off the Armature Shaft.



- Align the new Propeller with the Drive Pin.
 - Install the Prop Washer and Prop Nut.
 - 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 use, the entire motor should be rinsed with freshwater. This series of motors is not equipped for saltwater exposure.
- 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 from 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 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.
- The propeller is designed to provide weed free 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.

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:
 - Loosen the steering tension knob on the bracket
 - Lubricate the composite shaft.
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 fishfinder:
 - 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.



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.

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.

COMPLIANCE STATEMENTS



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



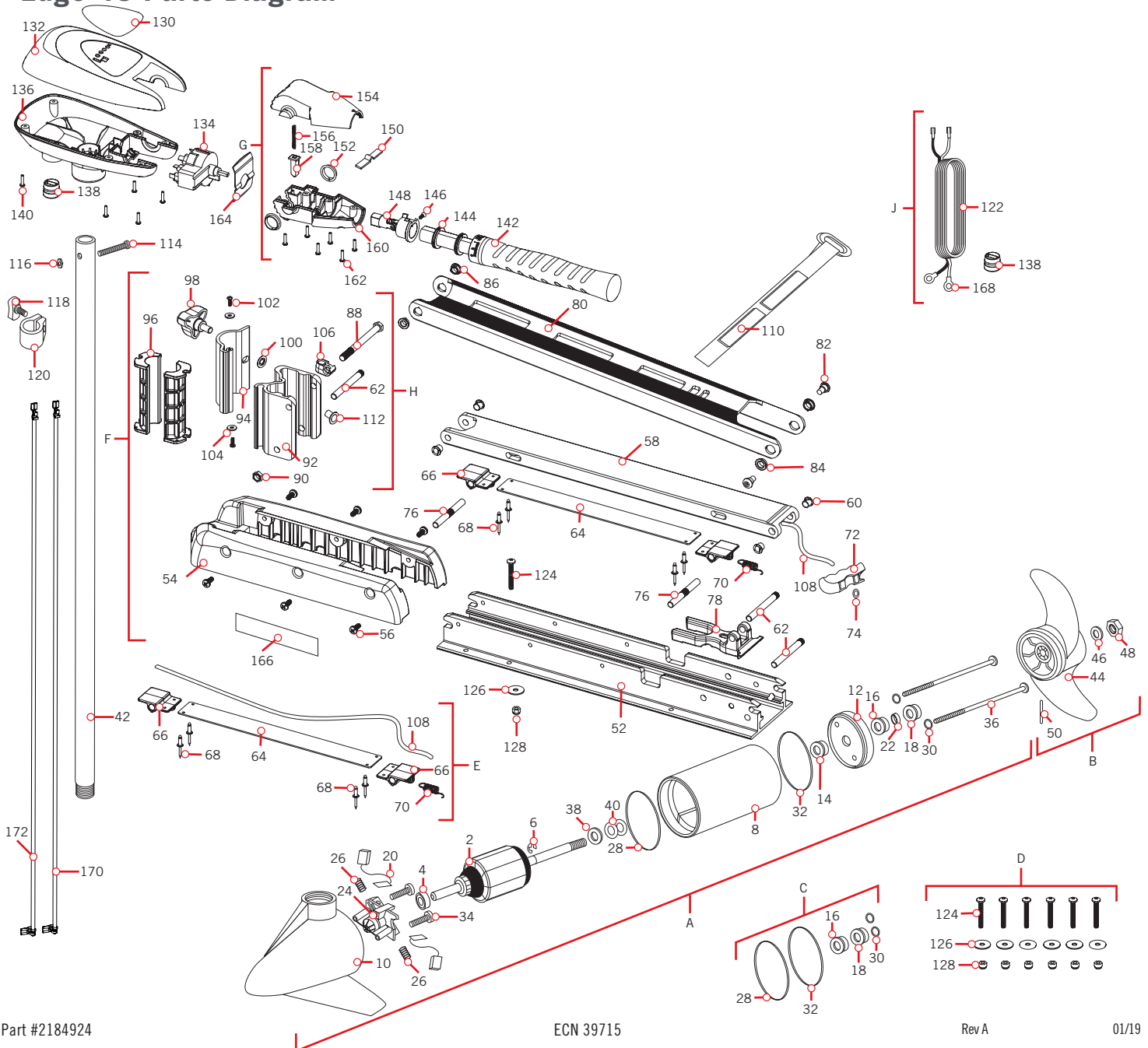
PARTS DIAGRAM & PARTS LIST

EDGE - 45 THRUST - 12 VOLT - 45" 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.

EDGE 45 >

> Edge 45 Parts Diagram



PARTS DIAGRAM & PARTS LIST

» Edge 45 Parts List

Assembly	Part #	Description	Quantity
A	2069286	MOTOR ASSEMBLY 12V F/W 3.25 5SPCO *45LB*	1
B	1378121	PROPELLER KIT 3.25 *45LB*	1
C	2883460	SEAL & O-RING KIT 3.25 *45LB*	1
D	2994838	BAG ASSEMBLY - BOLTS NUTS WASHERS	1
E	2993811	LATCH STRAP ASSEMBLY, STD, 45"	1
F	2991646	MOUNT - ASSEMBLY SHORT FW	1
G	2990467	HANDLE ASM, 5-3 SPD FW/SW	1
H	2991829	HINGE/BASE/DOOR ASSEMBLY	1
J	2992527	LEADWIRE ASSEMBLY EDGE /HC	1
Item	Part #	Description	Quantity
2	2-100-202	ARM ASSEMBLY 12 V 3.25	1
4	140-010	BALL BEARING	1
6	788-015	RETAINING RING	1
8	2-200-079	CENTER HOUSING ASSEMBLY	1
10	2-300-134M	BRUSH END HOUSING ASSEMBLY SPDCO	1
12	2-400-128	PLAIN END HOUSING ASSEMBLY	1
14	144-049	BEARING FLANGE	1
16	880-003	SEAL	1
18	800-006	SEAL W/SHIELD	1
20	188-052	BRUSH ASSEMBLY	2
22	725-035	TUBE - BRUSH RETENTION	1
24	738-030	BRUSH PLATE WITH HOLDER	1
26	975-032	SPRING - COMPRESSION	2
28	701-039	O-RING MK406460	1
30	701-007	O-RING THRU BOLT	2
32	701-041	O-RING	1
34	830-001	#8-32 SCREW	2
36	830-078	THRU BOLT 8-32X8.96	2
38	990-067	WASHER, STEEL THRUST	1
40	990-070	WASHER, NYLATRON	2
42	2032058	COMPOSITE TUBE	1
44	2061122	PROPELLER	1
46	2151726	WASHER, 5/16 SS	1
48	2053101	NUT, PROP NYLOC	1
50	2092600	PIN, DRIVE	1
52	2266502	BOWPLATE, FW, STD, 45"	1
54	2263905	MOTOR REST - BLACK	1

▲ Not shown on Parts Diagram.

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

PARTS DIAGRAM & PARTS LIST



Item	Part #	Description	Quantity
56	2303430	SCREW 1/4-20 X 5/8	6
58	2264372	LOWER ARM, FW, STD.	1
60	2266002	BEARING - NYLINER 3/8" SHAFT	4
62	2260503	PIVOT PIN	3
64	2263605	LATCH STRAP, STD, 45"	1
66	2261902	BRACKET - LATCH	2
68	2268602	RIVET 1/8" SS	4
70	2262709	SPRING- LATCH PIN	1
72	2150405	PULL - GRIP	1
74	2151700	WASHER - EYE SHAFT .562 OD	1
76	2260501	LATCH PIN	2
78	2261544	YOKE - TUBE	1
80	2264271	ARM - UPPER, SHORT FW	1
82	2263510	BOLT - SHOULDER, SS	2
84	2267302	BUSHING - LOWER 7/16" ID, SS	2
86	2267303	BUSHING - UPPER 3/8" ID, SS	2
88	2263505	BOLT 3/8-16 X 4/25"	1
90	2263114	NUT - NYLOCK JAM 3/8-16	1
92	2261892	HINGE BASE, FW	1
94	2261897	HINGE DOOR, FW	1
96	2261537	HINGE SLEEVE	2
98	2260905	HANDLE - SOFT GRIP, L&D	1
100	2261728	WASHER - RETAINING 3/8"	1
102	2053415	SCREW - #8-32 X 3/8" TRI	2
104	2261732	WASHER #8, NYLON	2
106	2262310	ROPE GUIDE	1
108	2251601	ROPE - 44.5"	1
110	2263805	HOOK AND LOOP STRAP	1
112	2264703	INSERT - THREADED	1
114	2033400	SCREW - 10-24 X 1-3/4	1
116	2013110	NUT - 10-24 HEX (ZCP)	1
118	2011365	SCREW - COLLAR/NEW KNOB	1
120	2031520	COLLAR - DEPTH W/O INSERT	1
122	2090650	LEADWIRE - 10 GA RINGS	1
124	2263462	SCREW - 1/4-20X2 SS	6
126	2261713	WASHER - 1/4 FLAT 18-18	6
128	2263103	NUT - 1/4-20 NYLOC-JAM	6
130	2265784	DECAL-COVER, EDGE 45/HC	1

▲ Not shown on Parts Diagram.

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



PARTS DIAGRAM & PARTS LIST



Item	Part #	Description	Quantity
132	2060298	COVER, CONTROL BOX, TRAXXIS FW	1
134	2064028	SWITCH 5 SPEED	1
136	2062505	CONTROL BOX, 5 SPD, FW	1
138	2062905	STRAIN RELIEF	1
140	2303412	SCREW, #6 X 5/8 SS	6
142	2990465	GRIP/HANDLE ASSY, 5SPD	1
144	2060015	BEARING, HANDLE	2
146	2063405	SCREW, #6 PFH SS	1
148	2994091	YOKE / SPIDER ASSY, 5SPD	1
150	2302742	SPRING, DETENT, OFF	1
152	2060005	BEARING, HANDLE PIVOT	2
154	2060900	HANDLE PIVOT, TOP	1
156	2302745	SPRING, RELEASE BUTTON	1
158	2063700	BUTTON, RELEASE	1
160	2060905	HANDLE PIVOT, BOTTOM	1
162	2303412	SCREW, #6 X 5/8 SS	6
164	2062715	SPRING, HANDLE PIVOT	1
166	2265702	MOTOR REST DECAL, FW	2
168	2020700	TERMINAL RING, 3/8"	2
170	640-005	LEADWIRE BLK 10 AWG 57 GPT	1
172	640-134	LEADWIRE RED 10 AWG 58 GPT	1
▲	2186300	TIE WRAP, 11.5" TEMP -40 TO 180	1
▲	2015800	HANG TAG CAUTION TILT HINGE	1
▲	2015801	HANG TAG PINK CAUTION HG/DR	1
▲	2187106	MANUAL, EDGE/HC	1
▲	2184924	PARTS LIST EDGE 45/HC	1

▲ Not shown on Parts Diagram.

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



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



MK110PD

TALON SHALLOW WATER ANCHOR

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



BUILT-IN WORK LIGHT

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



UP TO 15' DEEP

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



BLUETOOTH® CONNECTIVITY

Lets you control Talon from your mobile device and easily update it. Also opens up communication to other control options.



MORE CONTROL OPTIONS

- Control Panel
- Wireless Remote
- Mobile App
- Wireless Foot Switch
- Humminbird® Connectivity
- i-Pilot® & i-Pilot Link™ Remote



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

