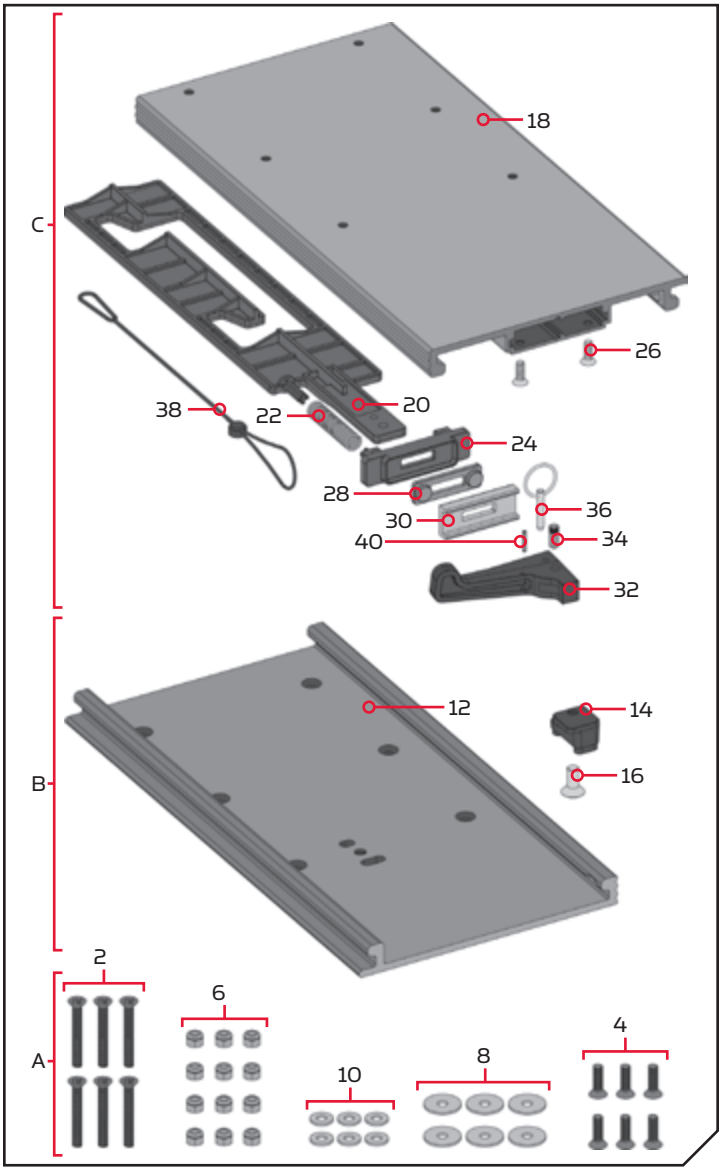
MKA-51 Electric Steer Quick Release Bracket

1854051

COMPATIBLE WITH MINN KOTA® FRESHWATER ELECTRIC-STEER TROLLING MOTOR MODELS, INCLUDING THE ULTERRA™, TERROVA®, POWERDRIVE™, POWERDRIVE V2 AND POWERDRIVE PONTOON.

Item / Assembly	Part #	Description	Qty.
A Items 2-10	2994936	BAG ASM, ES SLIDING QRB	1
2	2223446	SCREW-1/4-20 X 2" PFH SS	6
4	2373484	SCREW-1/4-20 X 7/8 PFH SS	6
6	2263103	NUT-1/4-20 NYLOCK SS	12
8	2261713	WASHER-1/4 FLAT 18-8 SS	6
10	2371712	WASHER-FLAT 9/32 X 5/8 X 1/16	6
B Items 12-16	2771998	BOTTOM PLATE KIT, MKA-51 QRB	1
12	2381958	PLATE-BOTTOM, QRB, MACH	1
14	2228413	CAM PUCK - MACHINED	1
16	2373428	SCREW-5/16-18 X 3/4" PFH SS	1
C Items 18-40	2771997	TOP PLATE KIT, MKA-51 QRB	1
18	2381956	PLATE-TOP, QRB, MACH	1
20	2373611	DRAWBAR, ES QRB	1
22	2222716	SPRING,COMPRESSION OD.480	1
24	2373260	STOP, DRAW BAR	1
26	2383431	SCREW-1/4 X 3/4 TY AB PFH	2
28	2225110	PAD, URETHANE,QCK ATTACH	1
30	2381948	EXTRUSION BACKER, MACH QRB	1
32	2228415	CAM ARM, QCK ATTACH PLATE	1
34	2262635	PIN-ROLLER, S/S	1
36	2372623	PIN W/RING, QRB	1
38	2373650	LANYARD ELECTRIC STEER,QRB	1
40	2372644	PIN-ROLL, .093 x 5/8" SS	1



▲ Not shown on Parts Diagram.
✖ This part is included in an assembly and cannot be ordered individually.

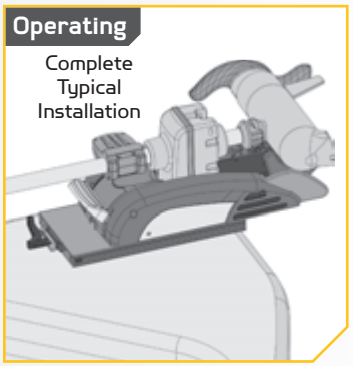
TOOLS AND RESOURCES REQUIRED

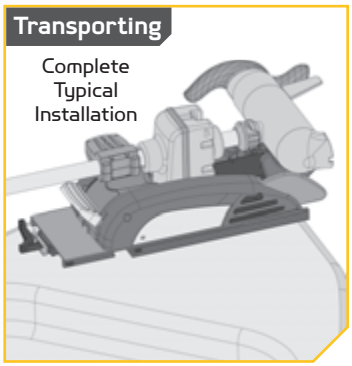
- #3 Phillips Screw Driver
- Drill
- 9/32" Drill Bit
- 7/16" Box End/Open End Wrench
- A second person to help with the installation

MOUNTING CONSIDERATIONS

It is recommended that the motor be mounted as close to the centerline of the boat as possible. The motor must not encounter any obstructions as it is lowered into the water or raised into the boat when stowed and deployed. Make sure the motor rest is positioned far enough beyond the edge of the boat. Make sure the area under the mounting location is flat, clear to drill holes and install nuts and washers.

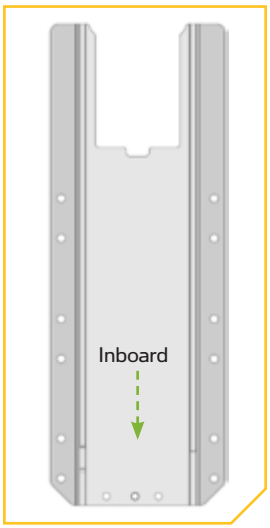
The MKA-51 Quick Release Bracket is designed to be locked in two different positions. The first position aligns the Top Plate and Bottom Plate and locks them in place with the Cam Lever. This position is used when the motor is operating. The second position allows the Top Plate to be slid back or inboard 6 inches before it is locked in place and is used during transporting. To slide the bracket, open the Cam Lever, and then slide the Top Plate approximately 1-1/2" sideways or Port side before then sliding the plates lengthwise. Slide the Top Plate sideways again to close the 1-1/2" gap and close the Cam Lever to lock the plates together. The Top Plate can be separated from the Bottom Plate when slid into either of the two positions while a sideways gap is present between the plates.



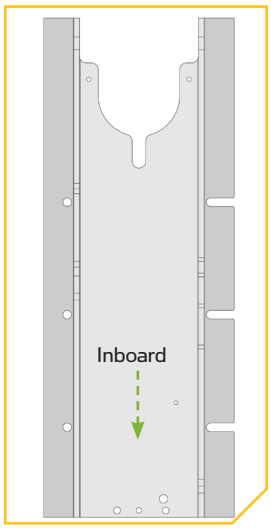


NOTE: Images are a graphical representation and may vary slightly from your motor.

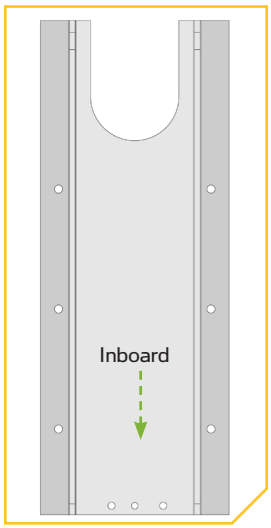
The MKA-51 Quick Release Bracket is designed to work on a number of Minn Kota trolling motors. The base extrusion or mounting bracket of the trolling motors may vary. Please note the appearance of the applicable trolling motors and mounting bracket. For a complete list of motors compatible with the MKA-51.



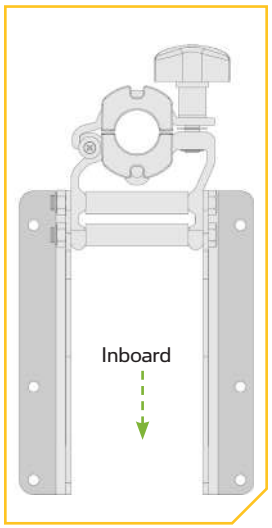
PowerDrive, PowerDrive V2, Pontoon PowerDrive & RT PowerDrive



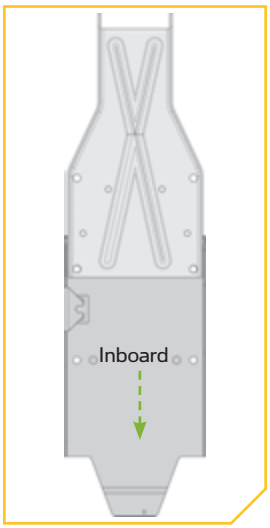
Ulterra & RT Ulterra



Terrova & RT Terrova



Pontoon Hand Control Bracket



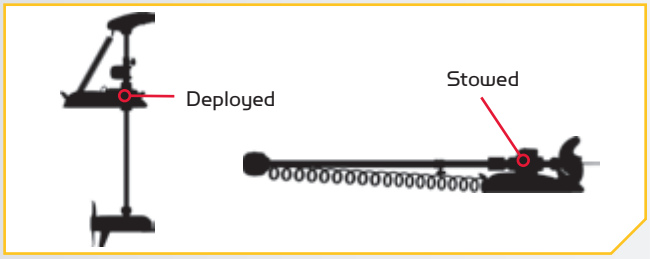
DeckHand 40

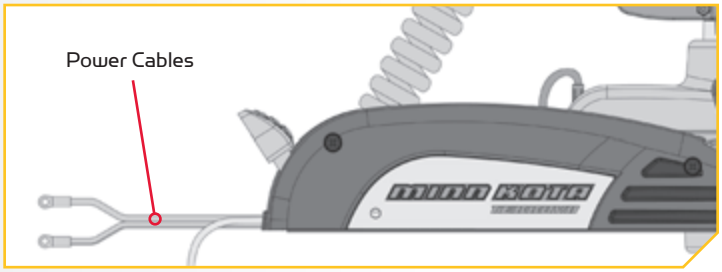
INSTALLATION

1

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

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





NOTE: A motor may weigh up to 65lbs. We recommend having a second person help with the installation. If mounting to a Pontoon Hand Control Bracket or Deckhand 40, directions specific to motor installation do not apply.

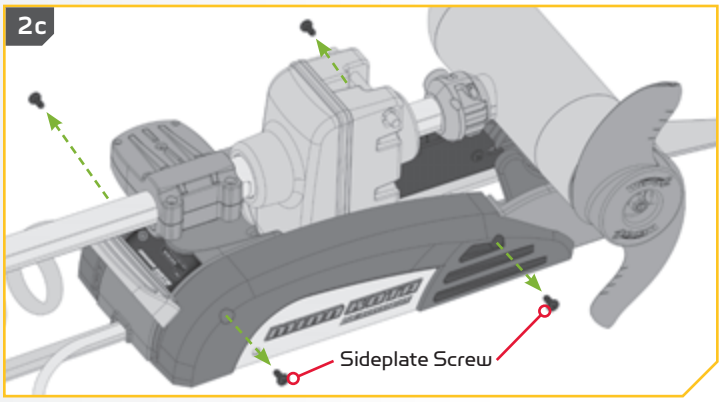
2

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

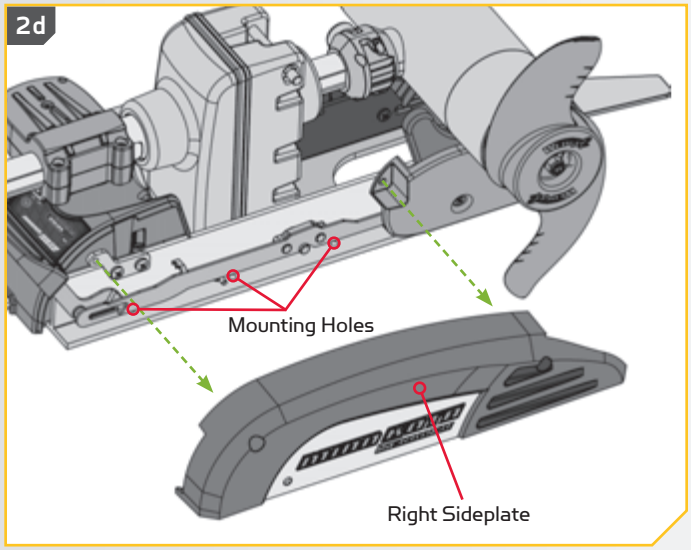
d. Remove the Right Sideplate.

e. Swing the Left Sideplate out and away from the Base Extrusion. Removing the sideplates exposes the mounting holes in the Base Extrusion.

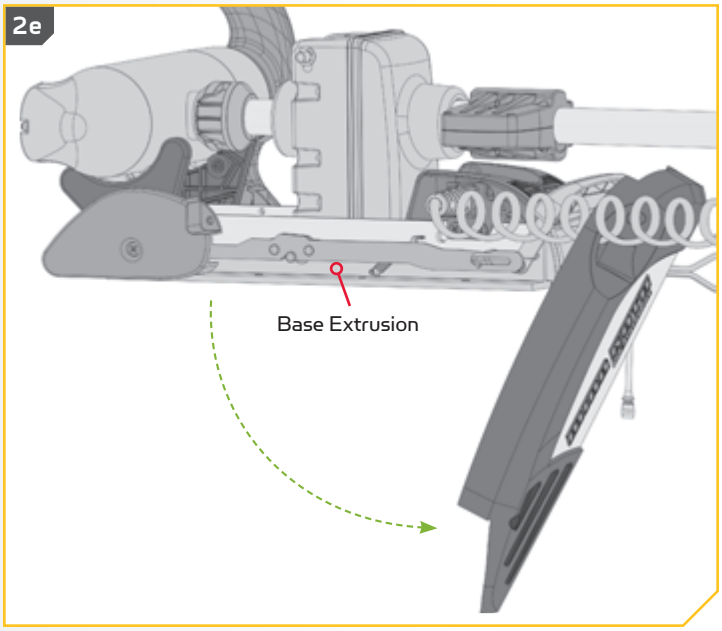
2c



2d



2e



3

ITEM(S) NEEDED

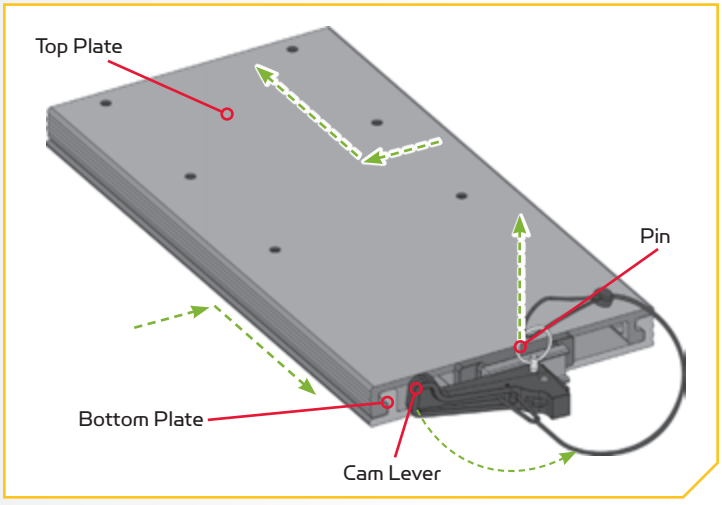
#B x 1

C x 1

f. Take the Electric Steer Quick Release Bracket Assembly (Item #B and C) and remove the Pin. Then open the Cam Lever and slide the Top Plate away from the Bottom Plate until they are separate. Set the Bottom Plate aside.

g. On the Top Plate, take note of the Cam Lever attached to the plate. When the Top Plate is attached to the Base Extrusion, the end with the Cam Lever will mount on the same end the Power Cord exits the base of the Mount.

NOTE: The Cam Lever will only open and close in one direction.



4

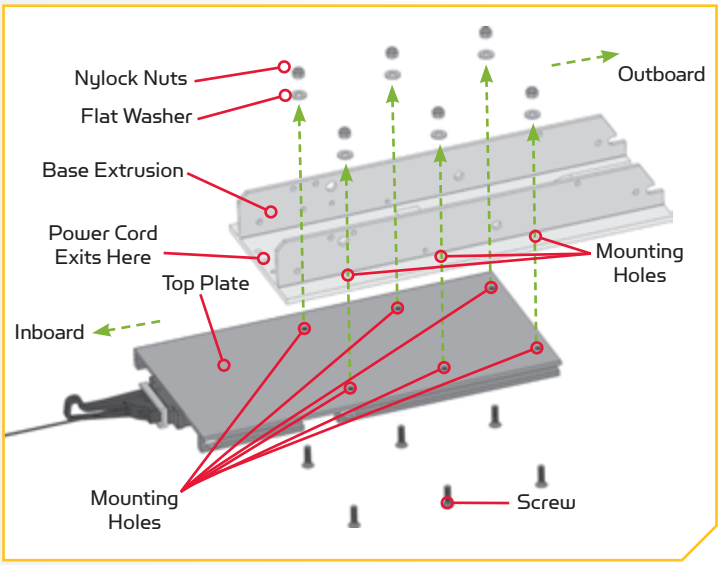
ITEM(S) NEEDED

#4 x 6 #10 x 6 #6 x 6

h. Place the flat side of the Top Plate against the bottom of the Base Extrusion. Align the Mounting Holes in the Top Plate with the Mounting Holes in the Base Extrusion that were exposed when the sideplates were removed. Make sure that the Cam Lever is located on the mount closest to the Power Cord. The appearance of your Base Extrusion may vary depending on motor type.

i. Use six each of the 1/4-20 X 7/8 Screw (Item #4), 9/32 X 5/8 X 1/16 Flat Washer (Item #10) and 1/4-20 Nylock Nuts (item # 6) to secure the Top Plate to the Base Extrusion. It is recommended to use a minimum of two bolts on each side, placing them the farthest apart on the mount. The screws will pass from the bottom up, through the Top Plate and then the Base Extrusion. The Flat Washers are placed on the screws on top of the Base Extrusion, and then secured with the Nylock Nuts. Tighten the Nylock Nuts with the 7/16" Box End or Open End Wrench. 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.

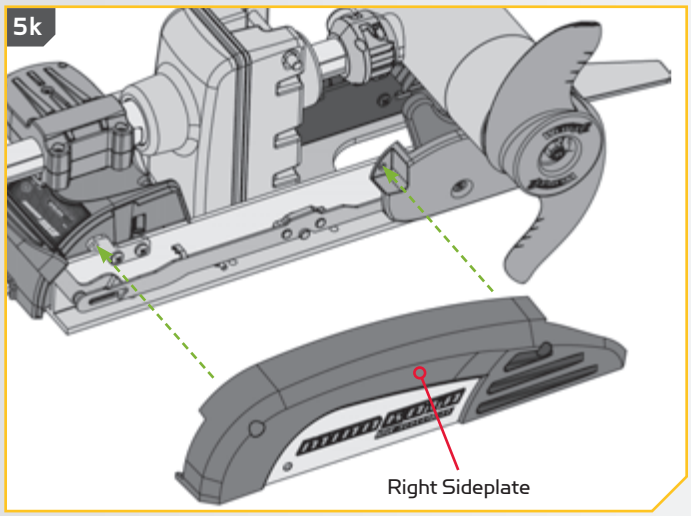


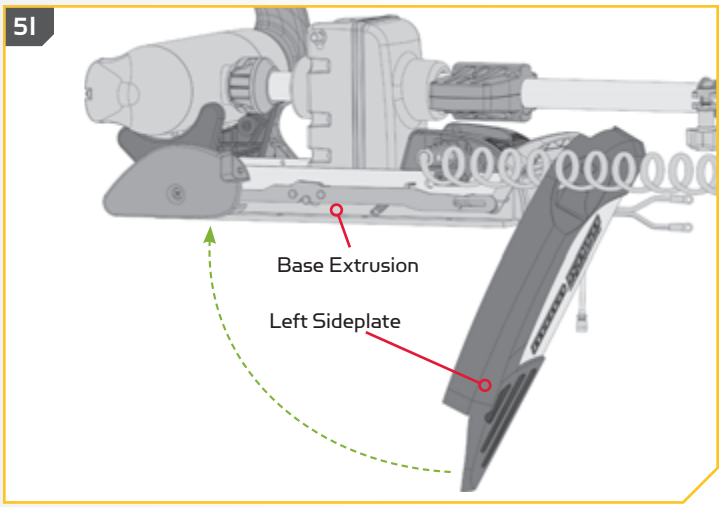
NOTE: If you are mounting an Ulterra to the Electric Steer Quick Release Bracket, the Clipped Washers that were previously used to install the motor to the boat, or included in the mounting hardware that came with the Ulterra motor should be used. Place the Clipped Washer above the Base Extrusion, between the Base Extrusion and the Nylock Nut.

5

j. After the Top Plate is secured to the Base Extrusion, replace the Right Sideplate.

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

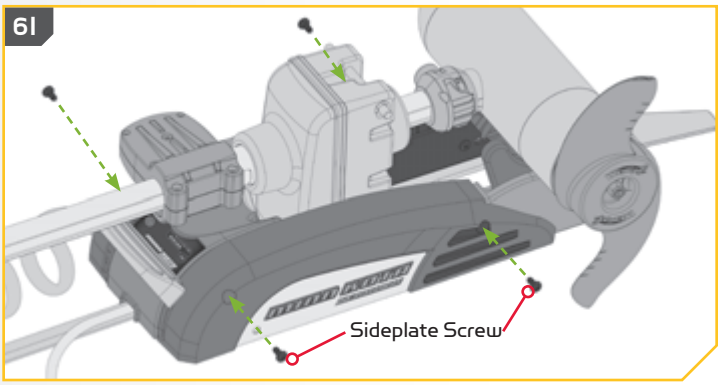


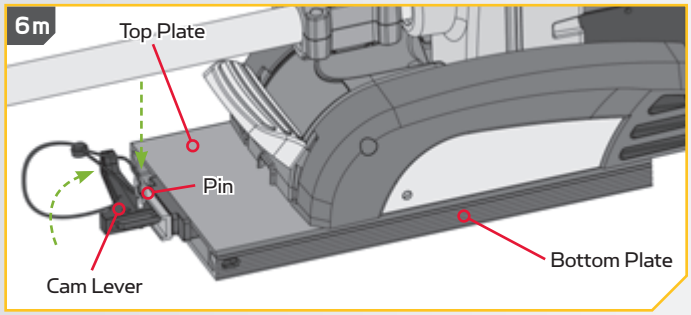


6

l. Replace the four sideplate screws using a #3 Phillips screwdriver. Two of these screws will be located on each side of the mount.

m. Reassemble the Top Plate and Motor to the Bottom Plate so that the plates are flush as described in the first position in the Mounting Considerations and secure with the Cam Lever and Pin.



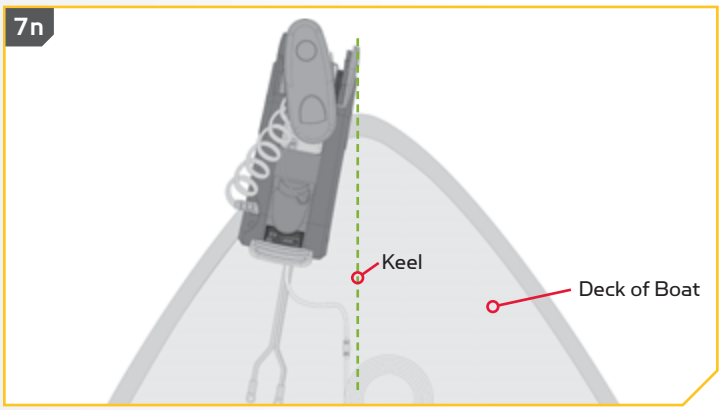


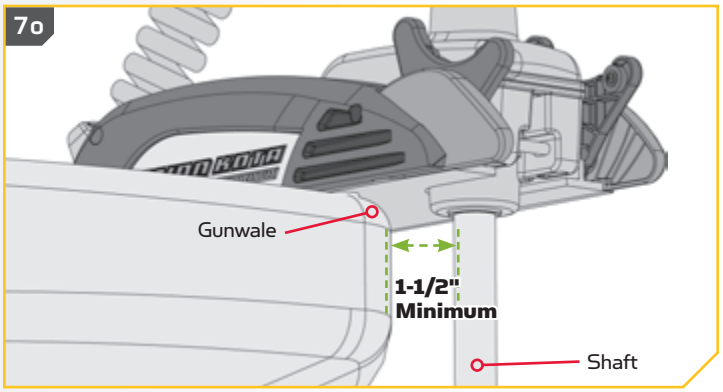
7

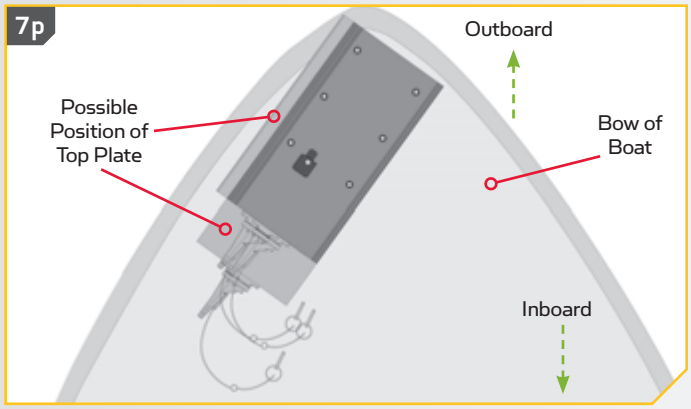
n. Place the mount with the Electric Steer Quick Release Bracket attached as close to the center line or keel of the boat as possible. The motor can be installed on either the Port or Starboard side of the boat based on personal preference. Check placement with the motor in the stowed and deployed positions. Review the mounting considerations at the beginning of the installation.

o. 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.

p. When checking clearance, make sure to check for obstructions for the plate and motor when they are in all possible positions. The plate moves sideways approximately 1-1/2" and also slides back 6 inches. This allows the motor to be moved for trailering, transport or a boat cover without being removed. With this movement, make sure to check for additional obstructions such as a windshield or lights.





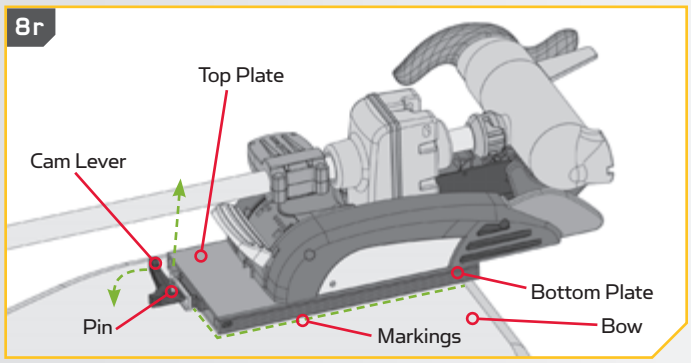


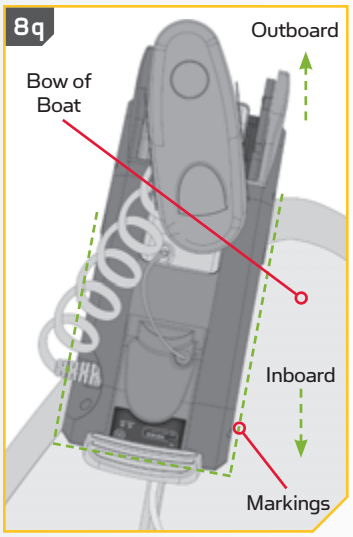
NOTE: Make sure that the motor will not encounter any obstructions when sliding the motor on and off the quick release bracket. The exact placement of the motor and Electric Steer Quick Release Bracket when mounting may vary depending on the boat, boat deck, and which base extrusion or bracket the quick release bracket is being mounted to. The Ulterra motor cannot be deployed before mounting and connecting a power source.

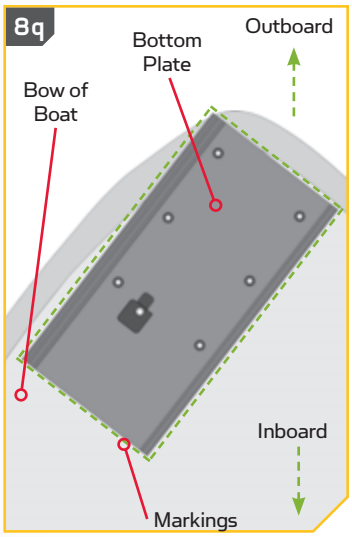
8

q. Mark the side edges and rear of the Bottom Plate on the bow of the boat.

r. Remove the Pin and Cam Lever and remove the Top Plate and Motor from the Bottom Plate.



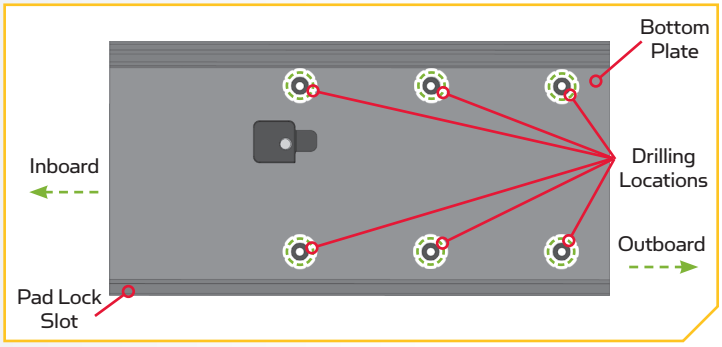




9

s. Reposition the Bottom Plate on the marks made on the bow of the boat. Make sure the Pad Lock slot is facing inboard. Locate the six mounting holes in the Bottom Plate and mark them on the bow. It is recommended to use all six bolts to mount the Bottom Plate. Set the Bottom Plate aside.

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



10

ITEM(S) NEEDED

 **#2 x 6**

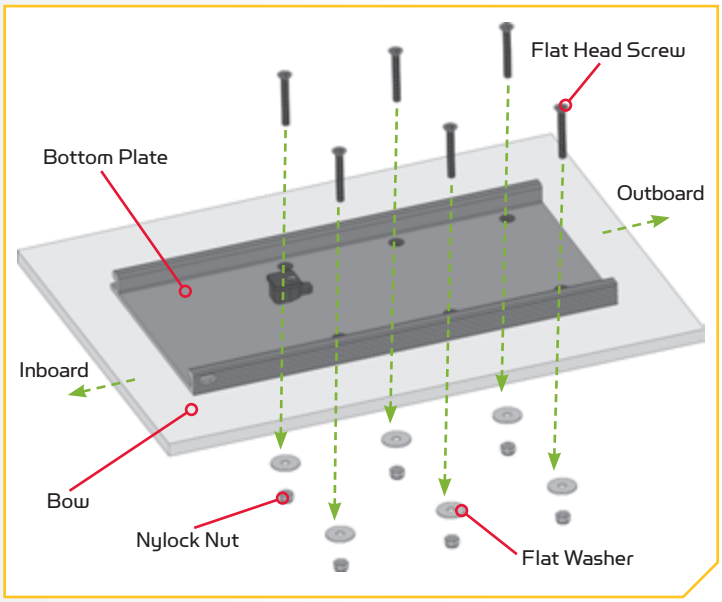
 **#8 x 6**

 #6 x 6

NOTE: The mounting surface for Bottom Plate must be completely flat. Washers must be used to shim the Bottom Plate flat before hardware is tightened. The top Plate will not fit correctly unless the Bottom Plate is installed completely flat. 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.

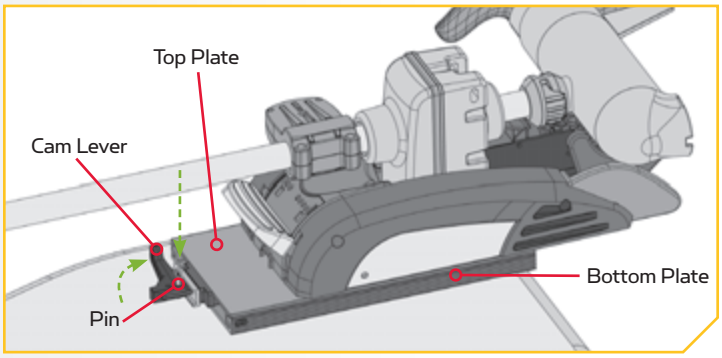
u. Put a 1/4-20 X 2" Flat Head Screw (Item #2) in each of the six drilled locations. The bolt should pass through the Bottom Plate and the boat deck. Make sure to secure the motor with bolts on each side of the Bottom Plate.

v. Place a Flat Washer (Item #8) and then a Nylock Nut (Item #6) at the end of each bolt as shown and tighten with the 7/16" Box End Wrench. Make sure all hardware is secure.



11

w. Slide the Top Plate attached to the motor back onto the Bottom Plate that was mounted to the Bow of the boat and secure with the Cam Lever and Pin. Always check to be sure that the Cam Lever is latched and the latch is secured with the Pin to ensure that the Cam Lever remains latched.



NOTE: Lock your motor to help prevent theft. The motor can also be locked when it is slid 6 inches backwards.