We'd like to thank you for purchasing a *ShuttleSlide* product. We value your business and pride ourselves on superior craftsmanship and customer support. If there are any questions this document fails to answer clearly, please do not hesitate to contact us. We will respond in most cases within a few minutes and never longer than 24 hours.

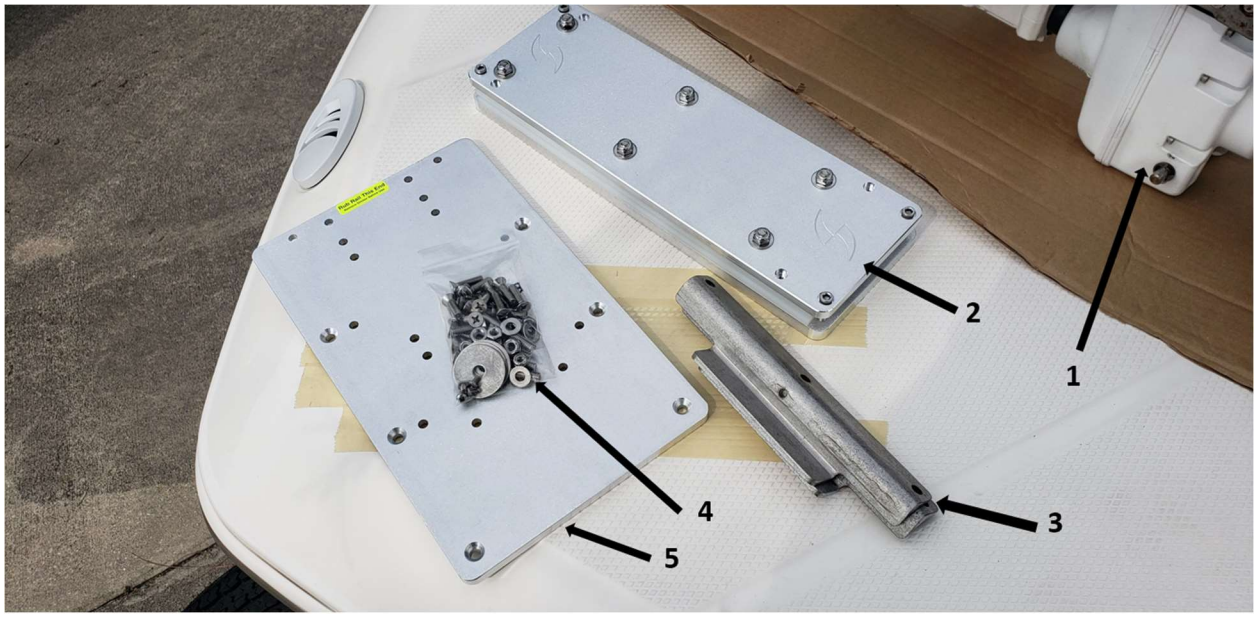
Email us at support@shuttleslide.com or call us via phone M-Sa 9-5PM EST: 321.345.3315

This document will cover a typical installation of an **EXD series mount**. However, every boat is unique and sometimes requires customized installation. As such, there will be variations that are possible that can't be covered within the scope of these instructions. If you need help, please reach out to us and we will gladly help with any questions you may have. **We strongly suggest you read through these instructions fully before you begin the installation or operate the mount.**

## !! Important information !!

- **FOLLOW ALL PRECAUTIONS FROM YOUR TROLLING MOTOR MANUFACTURER**
- **ALL fasteners must be used.** Failure to populate all original holes with fasteners will reduce the strength of the mount and can lead to premature failure or damage. **Failure to use all fasteners will void the warranty.**
- **CRITICAL: All** ¼-20 and 8-32 fasteners that thread into aluminum **shall be lightly lubricated** with Tef-Gel, or equivalent, to prevent seizing before the mount is placed into operational service. (see: https://www.ultratef-gel.com/tef-gel/)
- **DO NOT USE POWER TOOLS TO TIGHTEN FASTENERS OR YOU RISK GALLING THE NUT TO THE BOLT.**
- **If the 8-32 brake adjustment screws are not set and adjusted properly it can result in movement of the trolling motor. Use of the brake screws is highly recommended.**
- Do not over tighten the 5/16-18 flat head bolts between the deck and the mount such that the mount is no longer flat. Warping of the mount will greatly increase how much force is required to move the mount between each end of travel.
- Typical distance from edge of rub rail to the first set of bolts that MUST go through the deck on EXD mounts when it is configured with various reach extensions is as follows:
    - Zero reach extension: 6.5 inches
    - 4, 6 and 8 inch reach extension: 10.5, 12.5 and 14.5 inches respectively
    - **These distances are for reference only to get you close to a good location. Instructions below outline how to determine proper location without the need to measure hole locations.**

## Components you will need pictured below




1. **Trolling Motor with side covers removed**
2. **Carriage assembly**
3. **Carriage brackets**
4. **Mounting hardware (included)**
5. **Top Plate**
6. **Tef-Gel or similar (not shown)(https://www.ultratef-gel.com/tef-gel/)**
7. **Masking type tape or temporary marking device (not shown)**

**Tools**

8. **Drill with 5/16” bit (minimum size)**
9. **Hex Key or Hex Driver**
10. **½ inch socket or wrench**
11. **Phillips screwdriver**


Figure 1.

## Step 1: Attach Top Plate (5) and Carriage Brackets (3) to your trolling motor

- Figure 1 shows the top plate oriented properly with the “Rub Rail This End” sticker facing the bottom of the trolling motor.

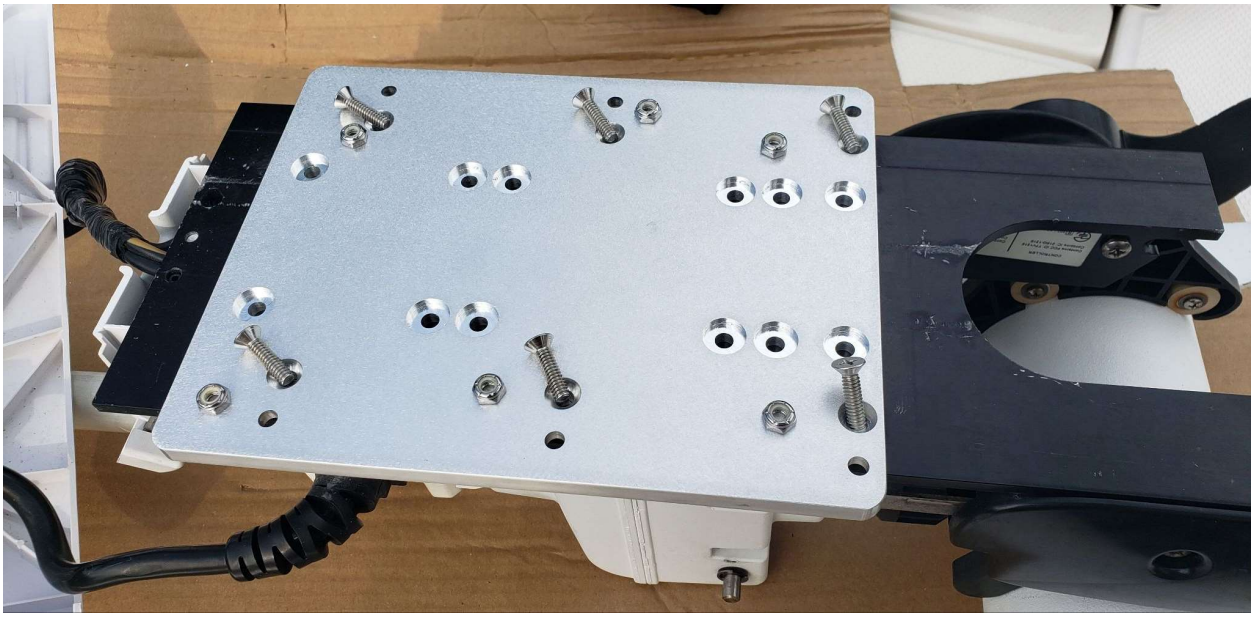


Figure 2.

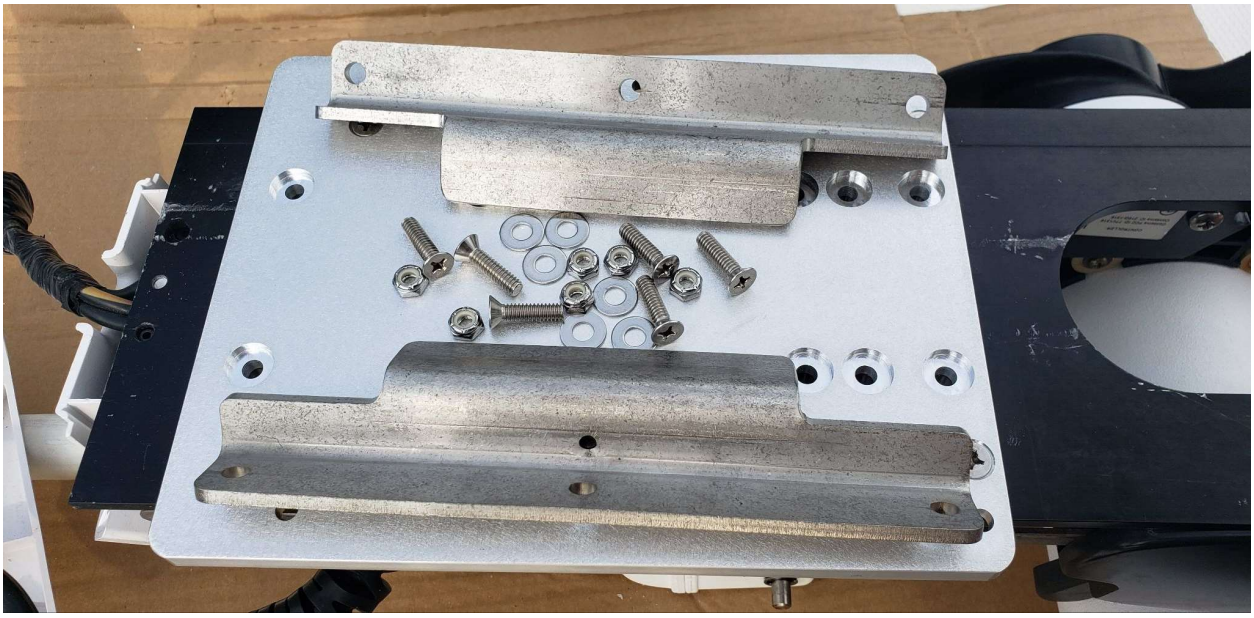


Figure 3.

- Figures 2 and 3 show which fasteners to use and their locations. **Do not tighten yet.**

Figure 3a

- (3a) <u>All 6 screws must be placed in their respective locations prior to adding any nuts.</u>
    - Once all screws are in their holes, add nuts and tighten the trolling motor side
- Note: Washers can **<u>NOT</u>** be used with the nuts on the trolling motor side

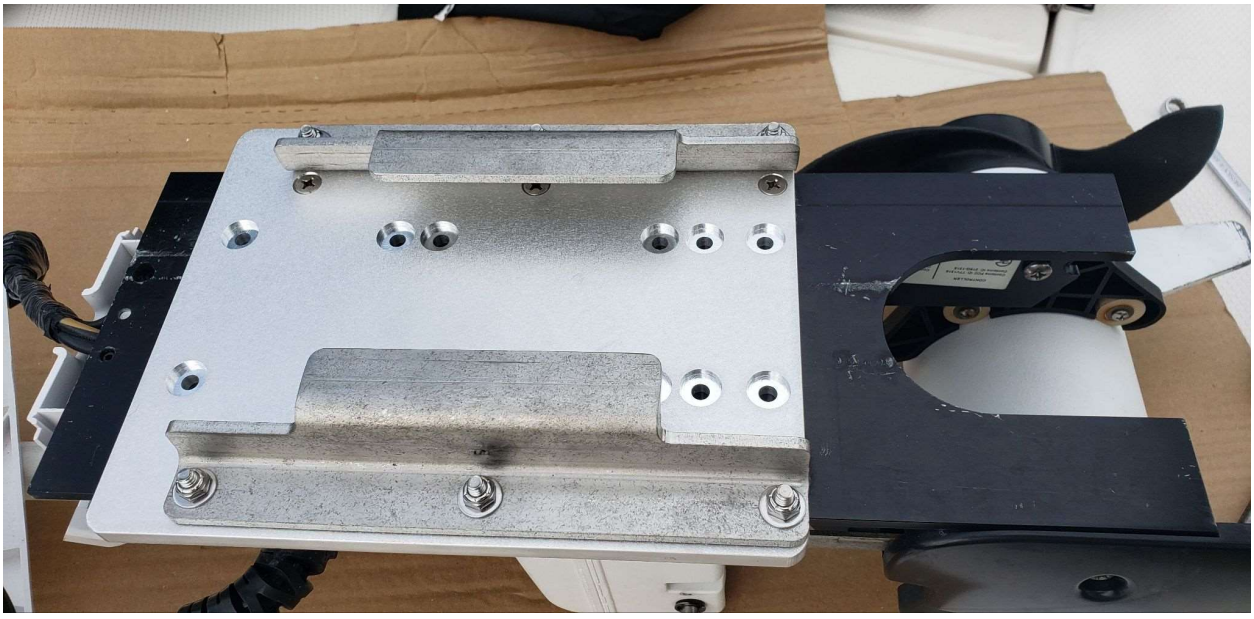


Figure 3b

- (3b) Assemble as shown and tighten nuts until they are almost snug but still loose enough that you can move the bracket around freely.

## <u>Step 2</u>: Placing Trolling Motor onto Carriage Assembly (2)

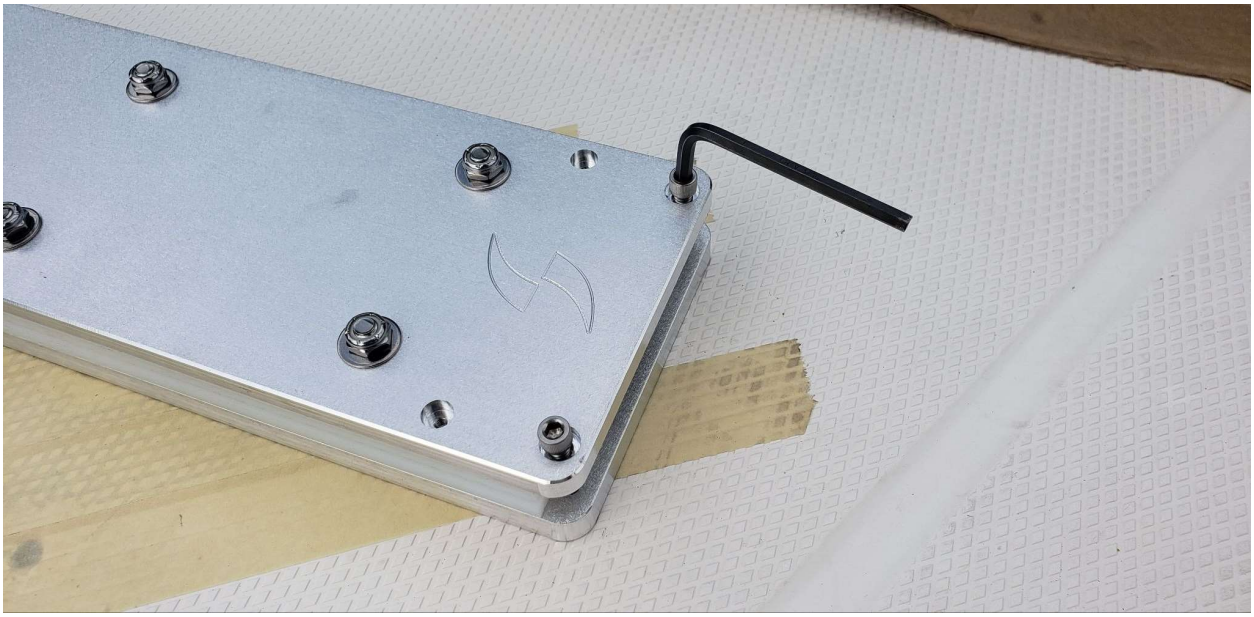


Figure 4.

- Remove the inboard travel stops with a hex key as shown in Figure 4

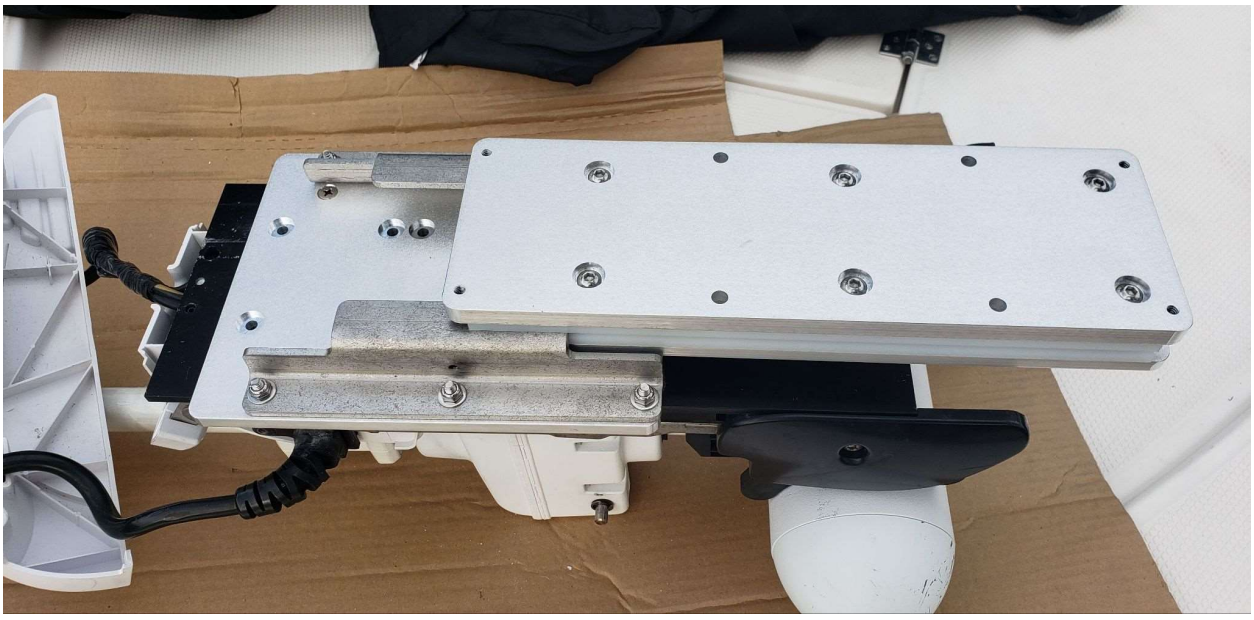


Figure 4a

- Slide the Carriage Assembly onto the Carriage Brackets as shown in Figure 4a

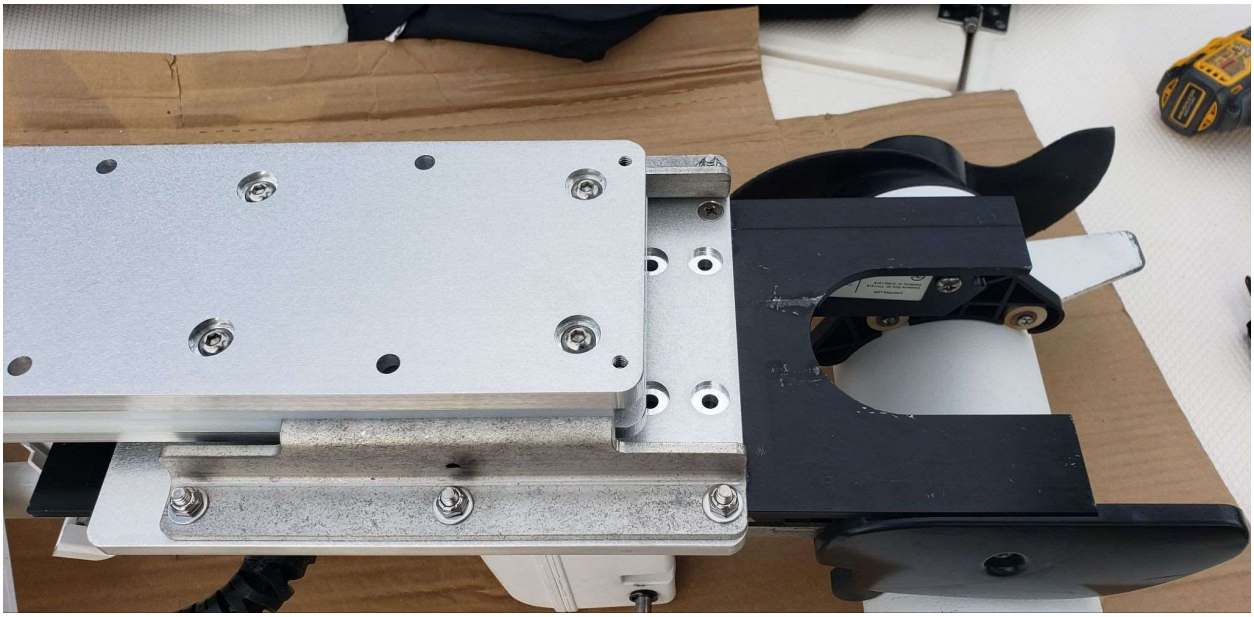


Figure 4b

- Slide the carriage fully to the end as shown in figure 4b

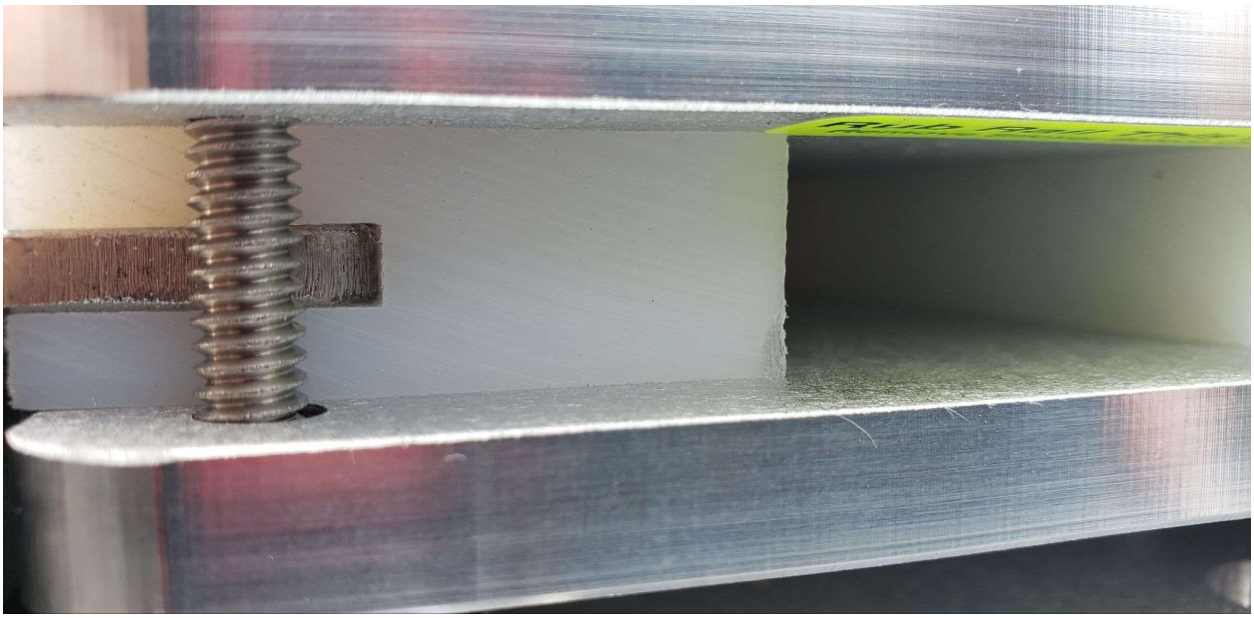


Figure 4c

- Once in the fully deployed position as shown in 4c, squeeze both carriage brackets toward each other so that they fully bottom out in the slot that they ride in.
    - Once fully bottomed out in their slots, hold them in place and tighten the six screws that hold the brackets to the top plate.
- Once all 6 bolts are tight, slide the bearing along the full length several times to ensure that there is zero, or minimal "wiggle" side to side. See **Appendix A** for more info.
- **IMPORTANT:** *How hard you squeeze the brackets together sets the "global resistance" of the slide. The harder the brackets bottom out in the slot, the more force*

*will be required to move the motor along the path. You will most likely not want to adjust this too tightly.*

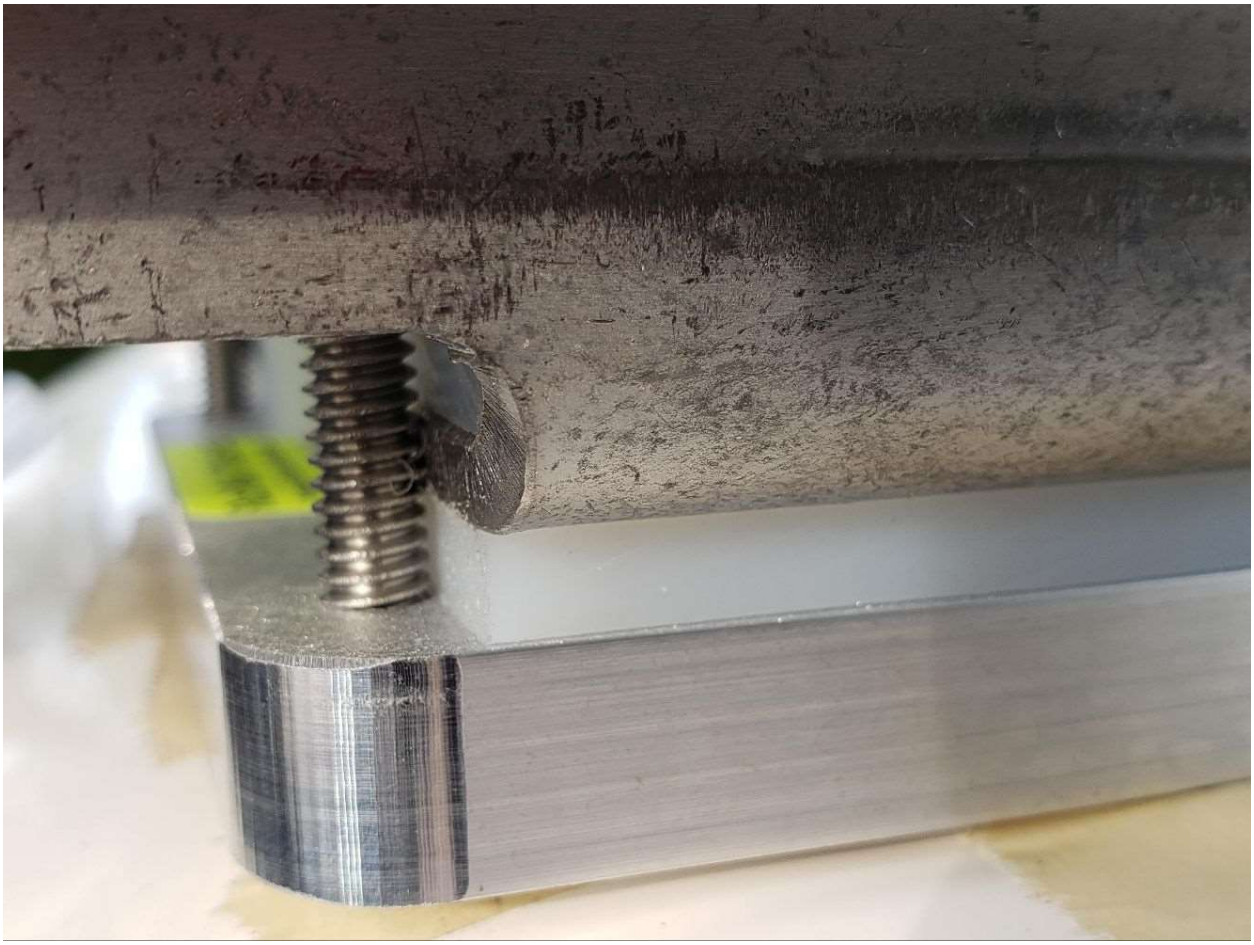


Figure 4f

Figure 4f shows the carriage brackets attached and the EXD carriage positioned such that the carriage brackets are at maximum travel location in the "deployed" direction. Ensure that the mount is adjusted as shown before moving onto the next step.

***VERY IMPORTANT*: *Failure to have the carriage positioned at the maximum travel point will result in the mounting holes in your deck being in the wrong location to avoid the motor shaft from contacting the rub rail when deployed.*** Be sure the brackets are at the maximum travel location against the travel stops before moving onto the next step.

## Step 3: Finding and marking the right installation location


Figure 5.

- Figure 5 shows the trolling motor attached to the EXD mount and sitting on the deck.
- Place some tape on the deck of the boat as shown in figure 5 in the area you are considering to use so you may trace the outline later.

**Have someone help hold the mount for the next few steps**


- Position the motor where the shaft will clear the edge of the rub rail by approximately 1.0 inches or a distance you would like.
- Once you are confident the motor shaft clears the rub rail and is positioned as desired, **verify that the carriage brackets are still at the maximum travel position.** You are now ready to mark locations for the holes


Figure 6.

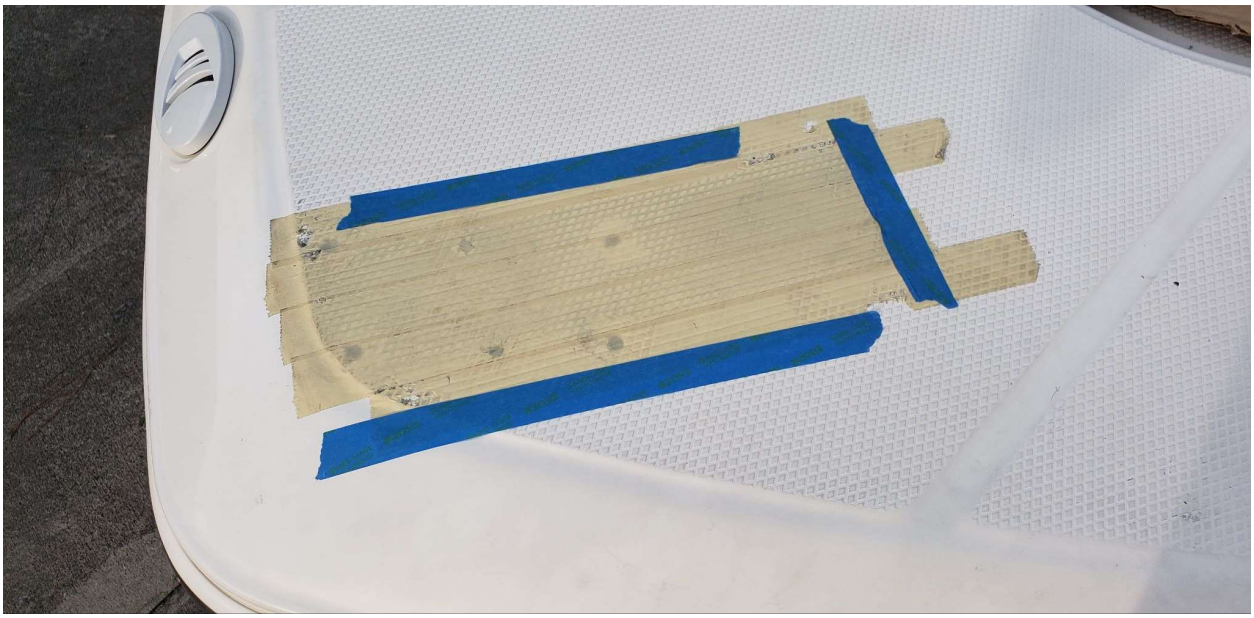


Figure 7

Figures 6 and 7 show what marking the sides and rear of the mount edges with blue tape looks like and where someone can hold the mount in place with their weight during this step.

## Step 4: Installing the mount

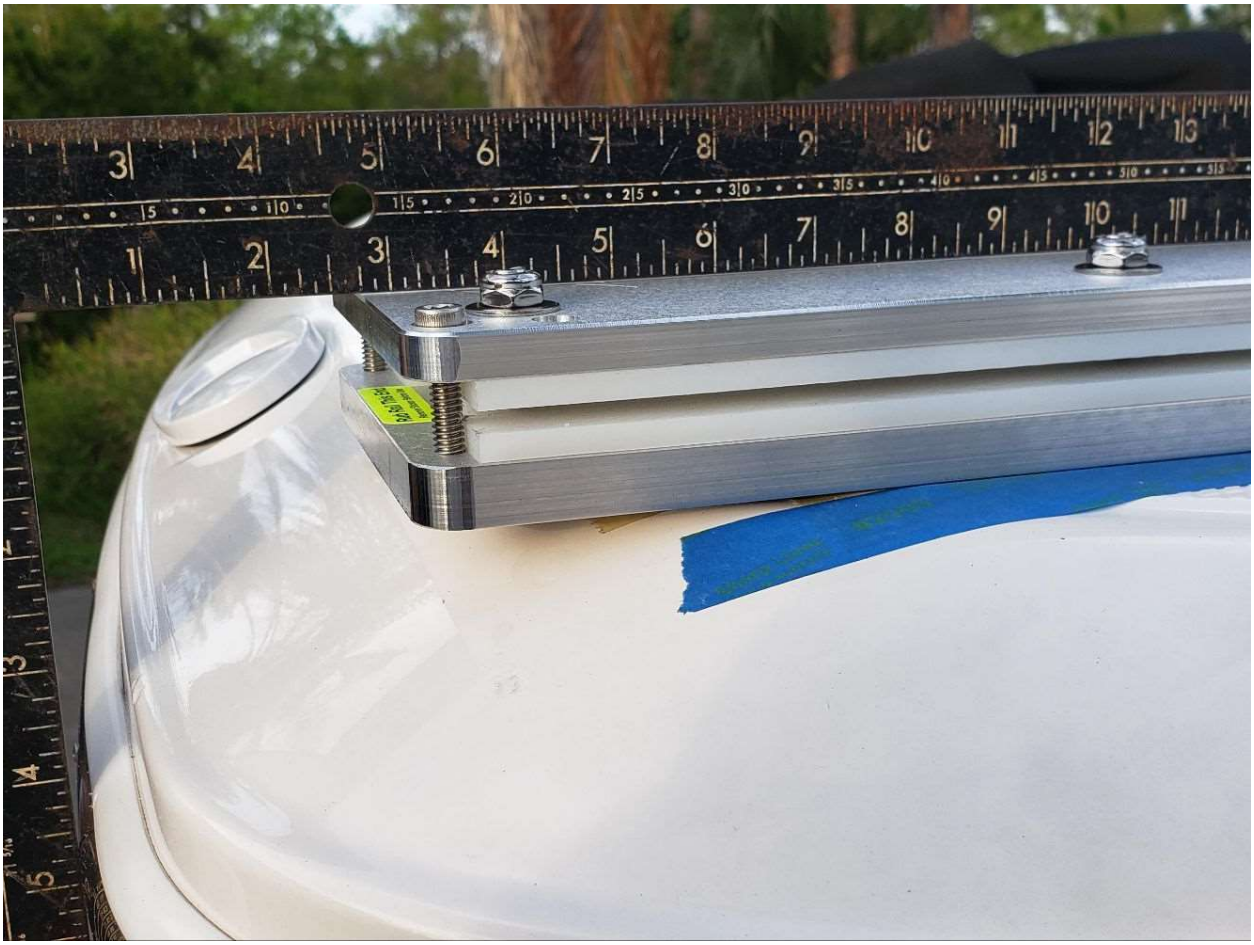


Figure 8

**(Reference only)** Figure 8 shows a framing square measuring in from the edge of the rub rail. With the mount positioned so the trolling motor shaft clears the rub rail by 1.0 inch, the first holes in the deck will be at the 6.5” mark when using a zero extension top plate. It is extremely important for these bolts to go through a sturdy part of your deck as they will carry up to 85% of the total load in some cases.

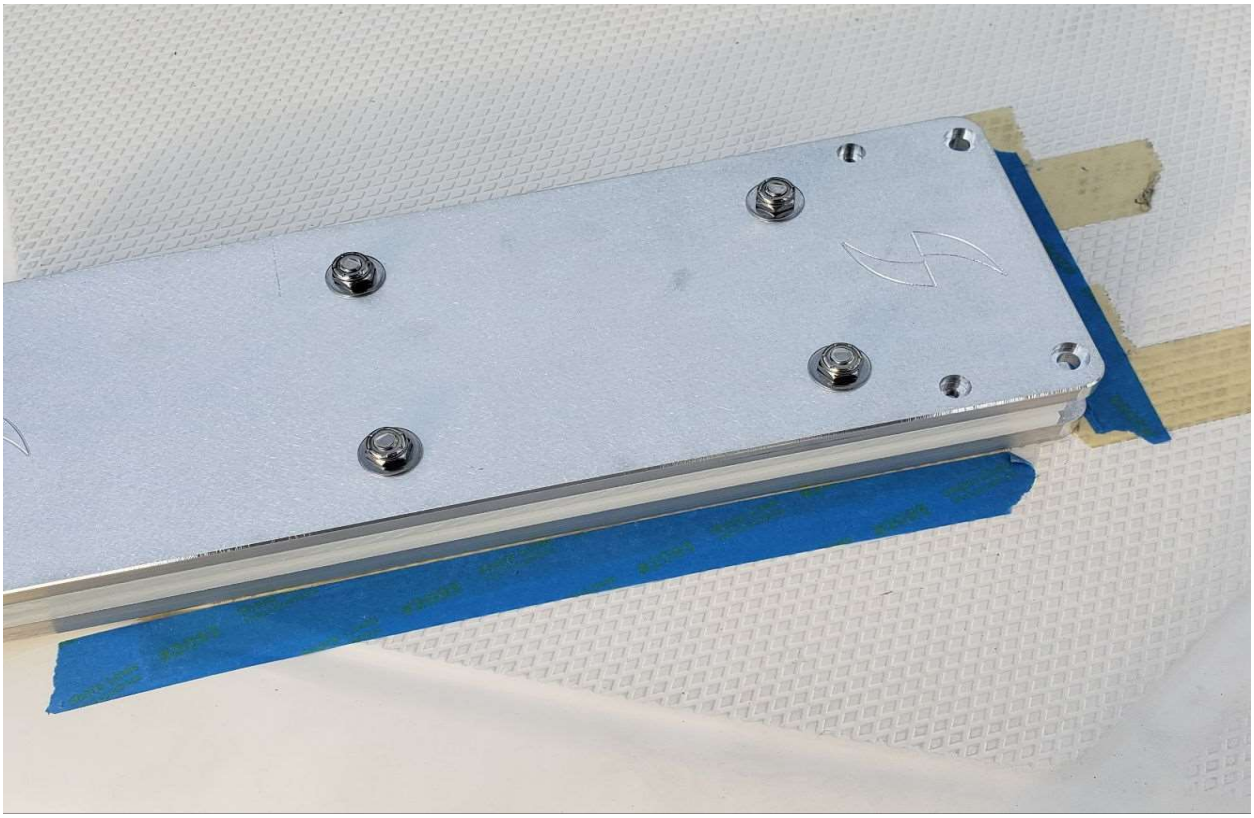
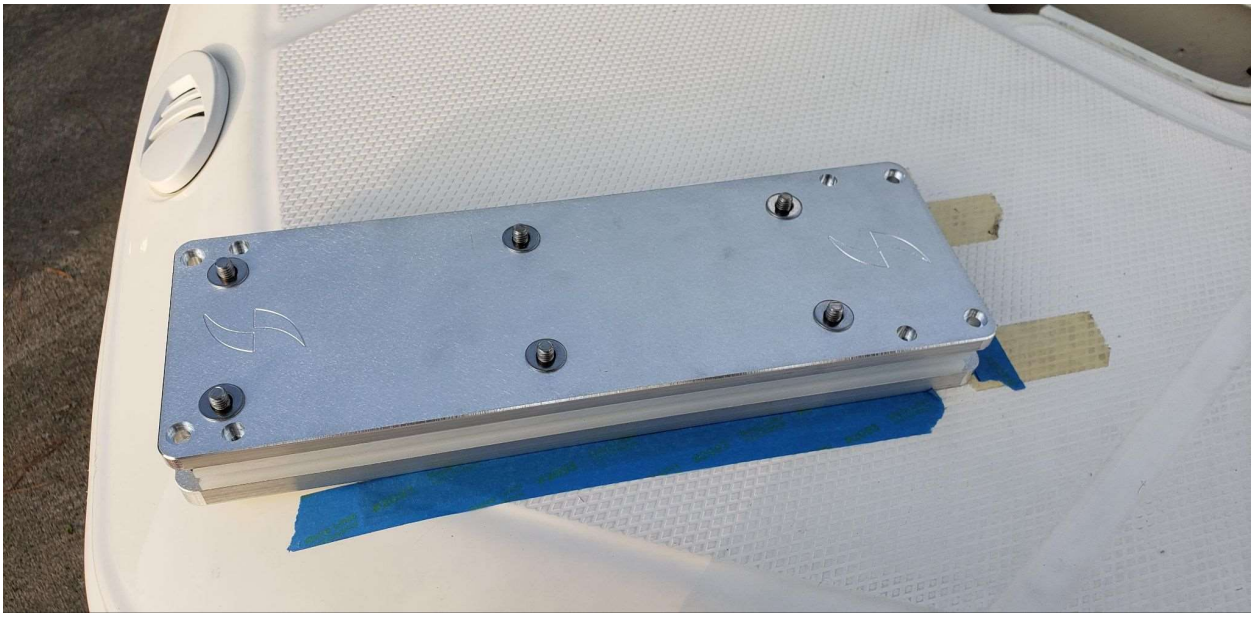


Figure 9.

- Figure 9 shows the trolling motor removed and only the carriage assembly aligned with the outline on the deck.



- Remove the nuts and remaining travel stops

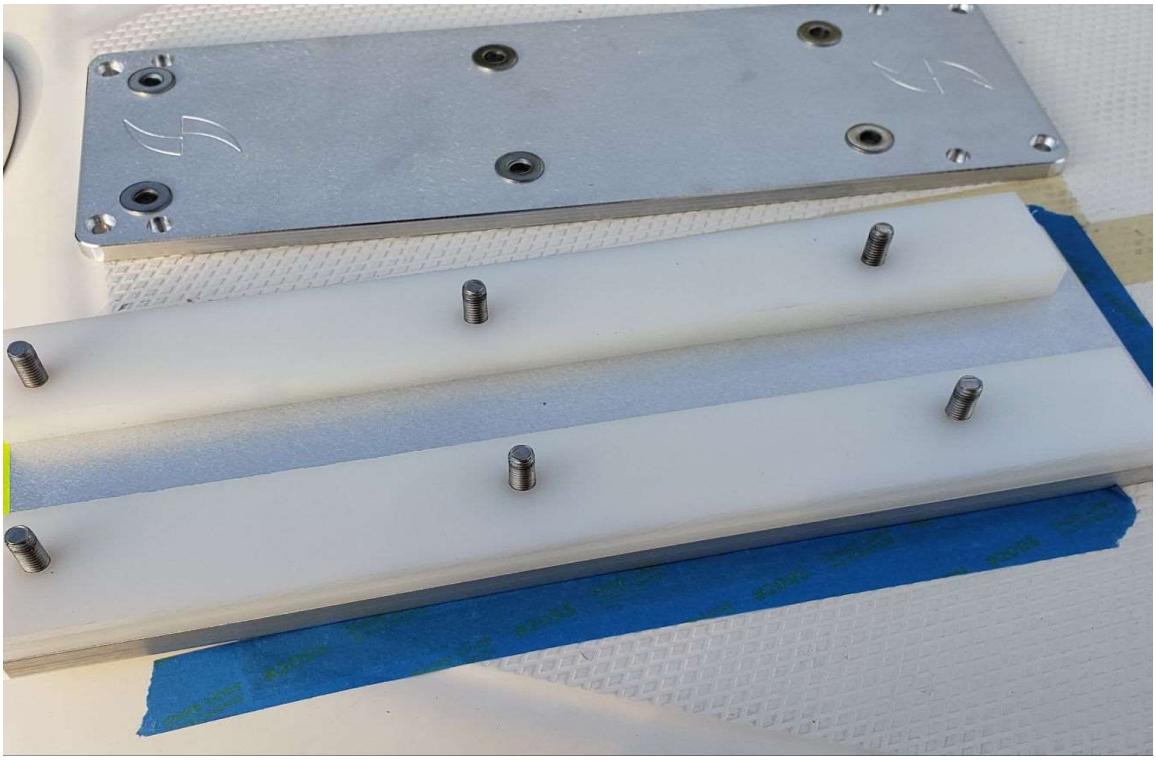


Figure 10.

- Remove the top of the carriage assembly as shown in Figure 10

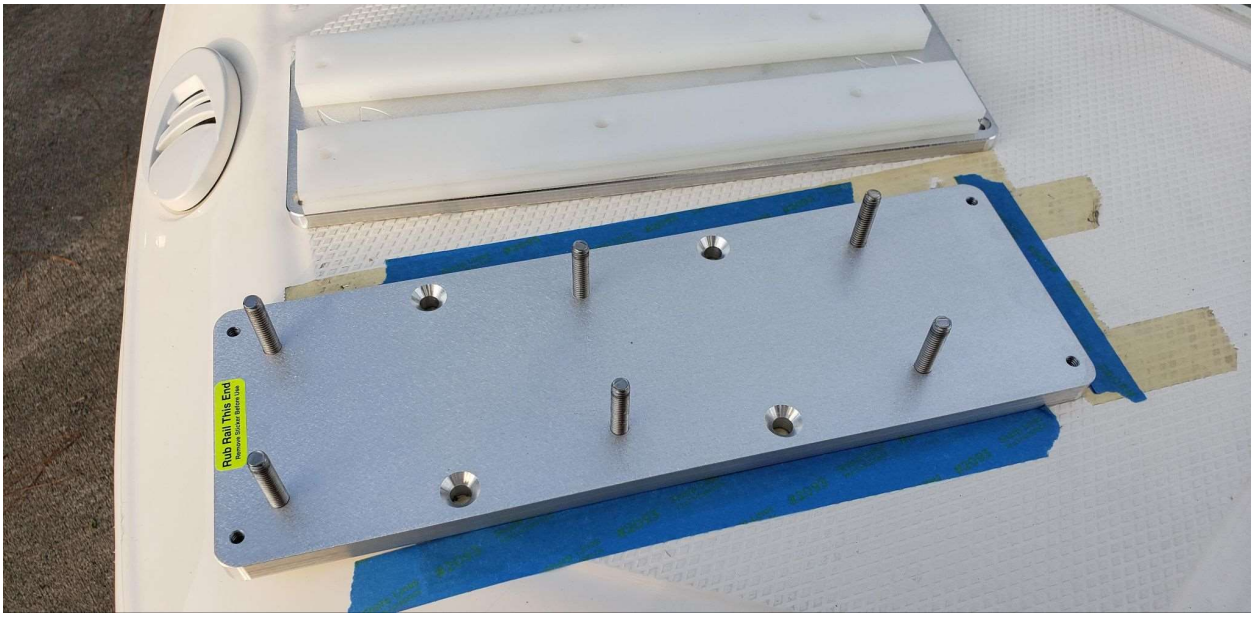



Figure 10a

- Remove the white bearing and leave the remaining “studs” in the bottom plate installed

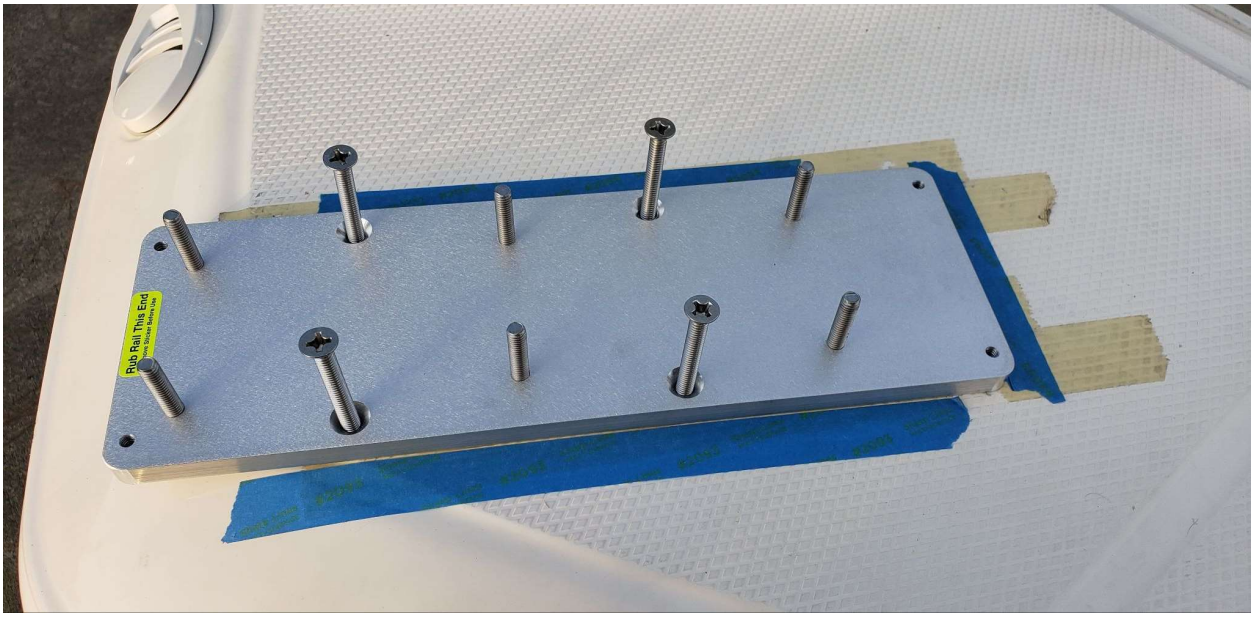



Figure 11.

- Figure 11 shows the locations in the bottom plate of the carriage assembly that 5/16-18 fasteners must be used to hold it to the deck of the boat.
- Ensure that the bottom plate stays within the marked boundaries and then drill one of the holes in the deck
- Once the first hole is made, put a bolt through the hole (but do not add a nut yet)
- Ensure the bottom plate is still aligned and add the second hole and then put a bolt through that hole as well
- Repeat this process until all countersunk hole locations have corresponding holes in the deck of the boat
    - SS-7-EXD and SS-9-EXD mounts will have 4 hole locations
    - SS-10-EXD to SS-17-EXD mounts will have 6 hole locations
    - SS-18-EXD+ mounts will have 8, or more locations.
- Once all holes have been drilled with fasteners installed in them, add washers and nuts to the underside of the deck and tighten appropriately.
    - **If you have a BKP-1 backing plate, it should be installed at this time as well.**

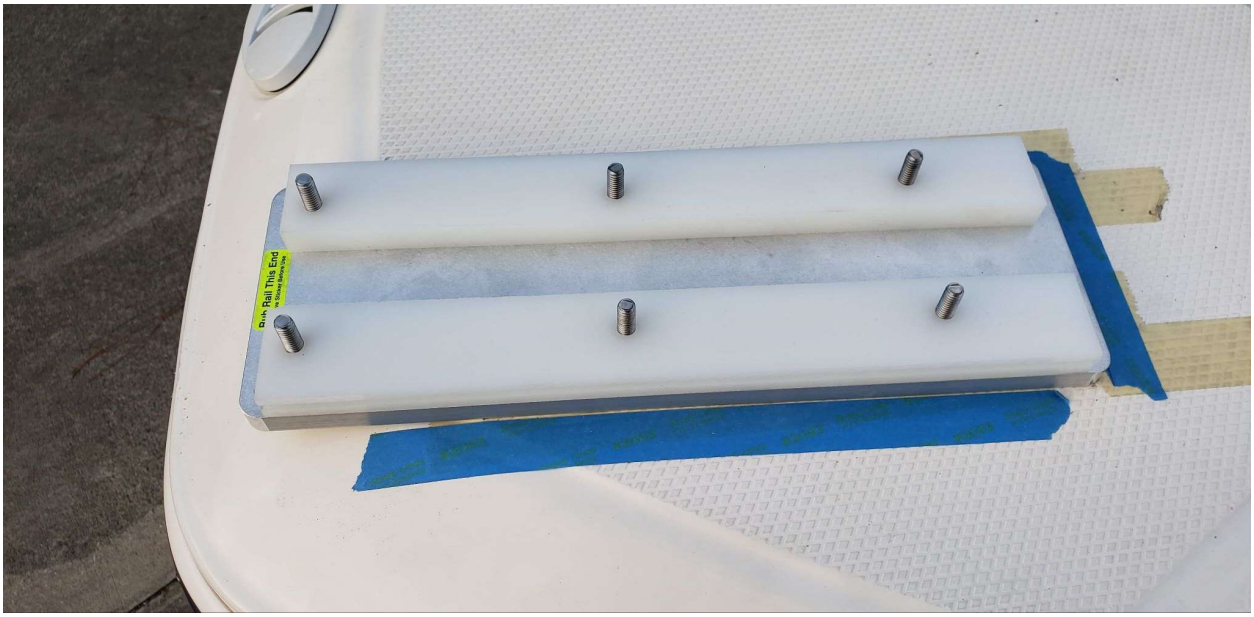


Figure 12

- Replace the white bearings as shown in figure 11a

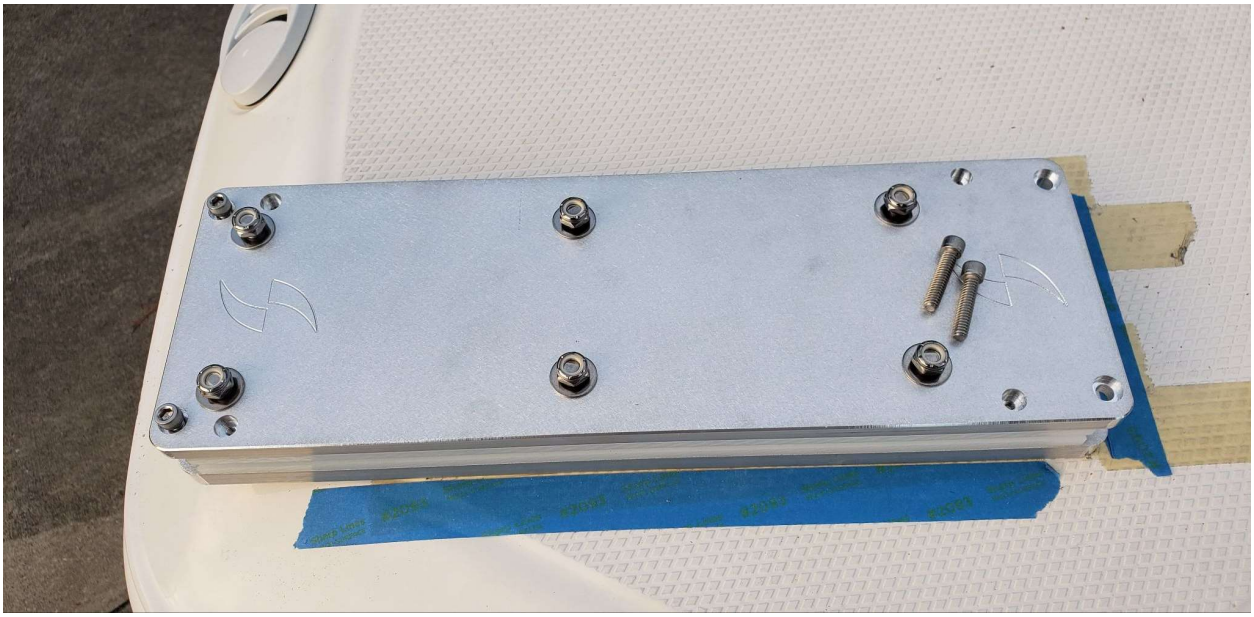


Figure 12a

- Replace the top of the carriage assembly and tighten the 5/16-18 nuts appropriately.
- Install the rub rail side travel stops and tighten appropriately (do not install the rear travel stops yet)
    - Be mindful to not over tighten the travel stops and to also remember to use an appropriate anti-seize such as Tef-Gel **or similar.**

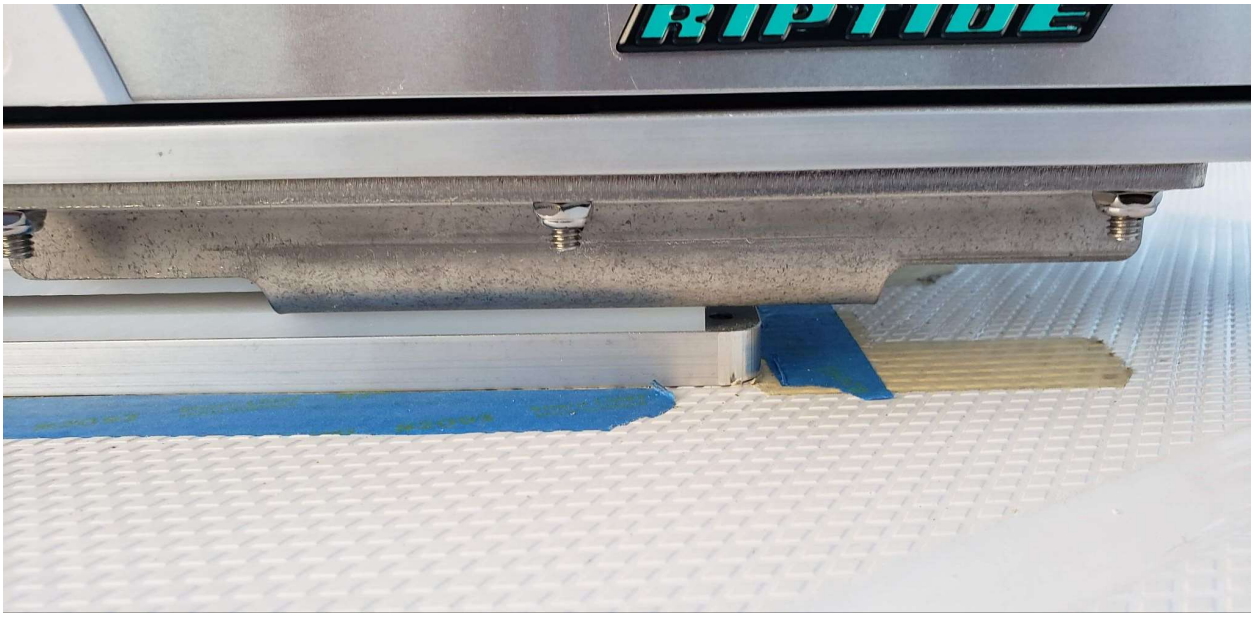


Figure 13.

- Slide the trolling motor onto the carriage assembly as shown in Figure 13.

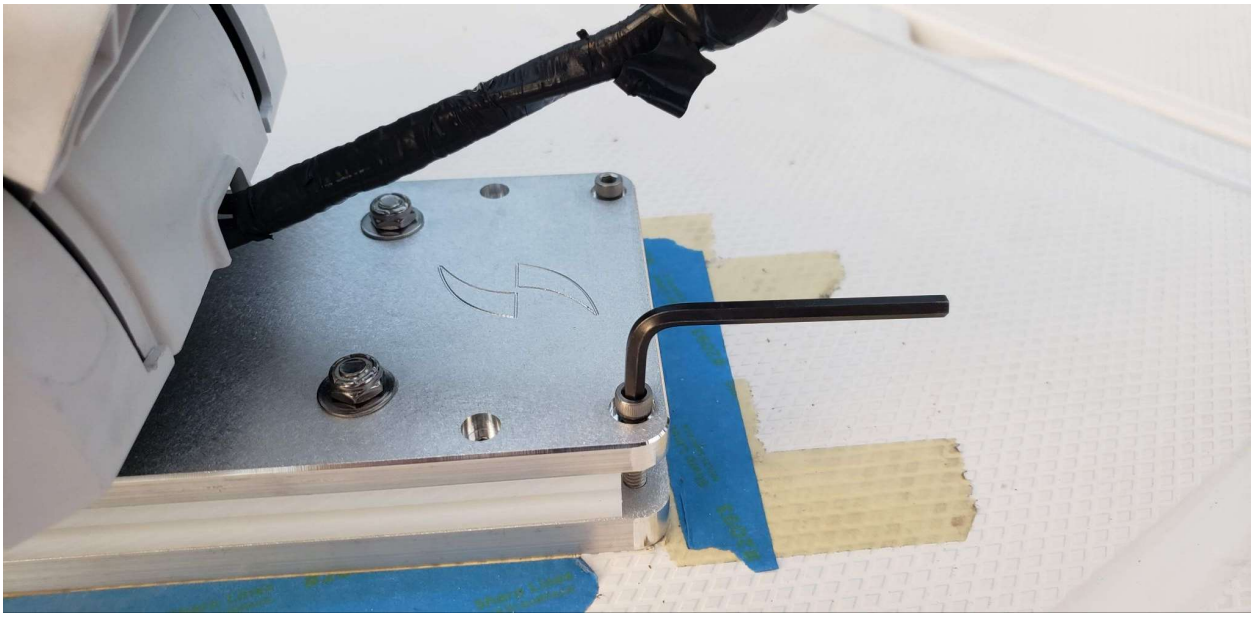


Figure 14.

- Slide the trolling motor forward and install the rear travel stops as shown
    - Be mindful to not over tighten the travel stops and to also remember to use an appropriate anti-seize such as Tef-Gel or similar.

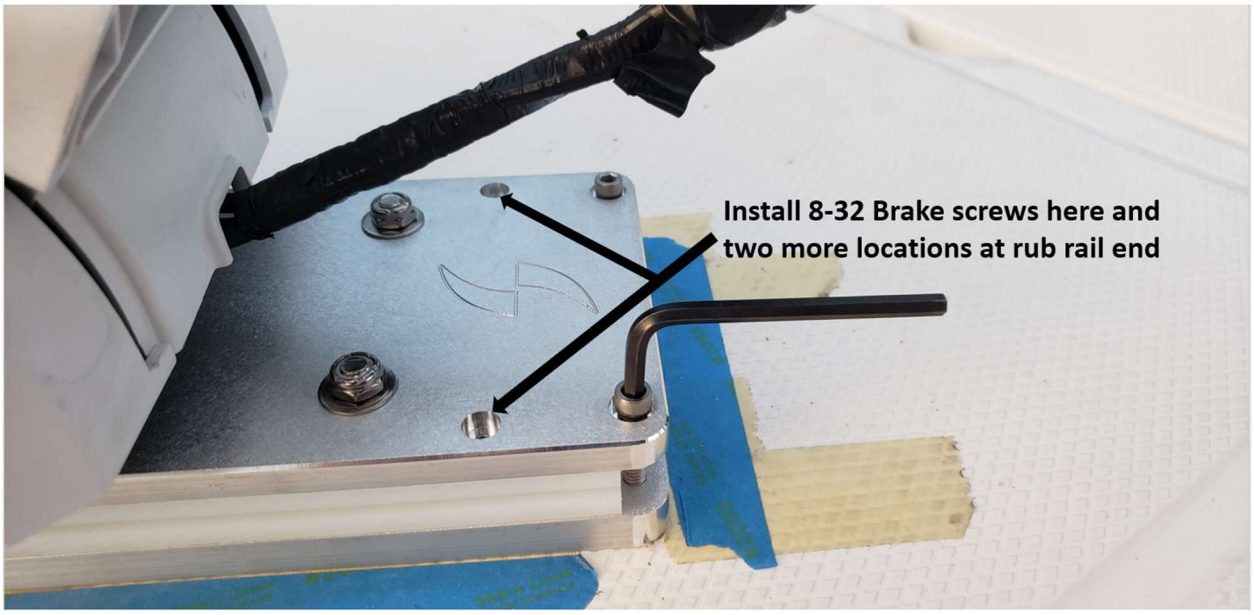



Figure 15

- Figure 15 shows the two inboard (retracted) brake screw locations.
- There are two 8-32 brake adjustment screws at each end
    - *These screws can be adjusted differently based on your desired holding force*
    - *Adjust them such that the motor travel is snug at each end and requires a good bit more effort than is required when traveling between both ends of travel.*


**CONGRATULATIONS!**

You have now completed the installation of an EXD series ShuttleSlide mounting system.

## Recommendations

- **Wash down the mount at the end of each day of use with normal soap and water and apply an aluminum protectant to minimize cosmetic corrosion effects over time.**
- **Inspect the mount for damage prior to each day of use**
    - **Especially pay attention to the travel stops and ensure that they have not come loose.**
- **Lubricating oil is difficult to remove once it gets onto the bearing. Be mindful of applying any lubricants as they will have a major impact on the function of the brakes especially.**
- **After the initial installation the amount of force required to move the motor is slightly more than after it has traveled the full length multiple times.**
    - ***Slide the motor between each end of travel until you feel the resistance is no longer changing before making any final adjustments***

## Appendix A