



## **TWIN TRACK MOUNT INSTALLATION INSTRUCTIONS**

Congratulations on your recent purchase! Both the Gamut Paddle Holder and Versa Paddle Systems work with each of our mounts. These instructions include installation steps for the Twin Track Mount. We've also included important tips for using your new system, along with a link to them below. We encourage you to share these tips with others who'll be using this product, if applicable.

### **Refund Policy**

Before you install your new mount, temporarily place it on your kayak on dry land to check the fit. If you receive a Versa or Gamut system and discover it does not fit your kayak, please contact us within 30 days for a refund (minus shipping and handling). Do not attempt to attach the mount, and keep all other components packed and in their original boxes and condition.

### **VIDEO INSTRUCTIONS & USAGE TIPS**

To watch a video on how to install your new mount, go [www.angleoar.com/installation-instructions](http://www.angleoar.com/installation-instructions) or use the links below to see them on our [YouTube](#) channel. While you're there, subscribe to our "Assembly & Maintenance Tips" Playlist for quick tips on using and caring for your system.

**Twin Track Mount Installation:** [www.youtube.com/watch?v=FijcdVVRQ3k&t=6s](http://www.youtube.com/watch?v=FijcdVVRQ3k&t=6s)

**Assembling the Versa Paddle:** <https://www.youtube.com/watch?v=NYvIZVoGEgI&t=4s>

**Installing the Hinged Mount:** <https://www.youtube.com/watch?v=Og5OZOwpKqw&t=3s>

**Hinged Mount - Getting the Right Fit:** <https://www.youtube.com/watch?v=HHz24SqdEM8>

**Apex Mount Installation:** [www.youtube.com/watch?v=2STHmvmk8U4&t=2s](http://www.youtube.com/watch?v=2STHmvmk8U4&t=2s)

**Customer Custom Mounts:** <https://www.angleoar.com/post/kayak-mounts-adaptive-kayaking>

**Blind Installation Demo:** [www.youtube.com/watch?v=GHWHPghjtUs](http://www.youtube.com/watch?v=GHWHPghjtUs)

**Inserting and/or Tightening the Steel Pin on Versa:** <https://www.youtube.com/watch?v=ykDinCuoGpU>

**Tips for Using:** <https://www.angleoar.com/tips>

## TWIN TRACK MOUNT

### Tools Needed:

- Drill or Screwdriver
- Drill bit size 5/16 if using well nuts (or No. 29 if using self-tapping screws, but not required)
- Sealant (recommended)
- Measuring tape, marker (optional)
- Rivet gun (optional; rivets not included)



### STEP ONE: SECURE THE ADAPTERS TO THE STICKY CUPS

Working on dry land, insert the end caps (optional) into each end of the RAM Tough-Tracks. Next, insert the support post and spline into the base mount. Now, feed the two t-nuts of the base mount into the two Tough-Tracks and tighten the knobs.

With the mount temporarily assembled, place it on the deck of your kayak or SUP in front of the seat to make sure there is adequate room to secure it.



### STEP TWO: CHECK THE FIT

Put the clevis fork on the support post and add your Versa Paddle or Gamut with paddle to see whether the distance feels right. You might need an assistant to hold the mount in place. Now sit in the seat of your kayak or SUP and reach for the paddle to find the distance and height that feel most comfortable, relative to your arms and shoulders. Your elbows should be somewhat close to your sides, not fully extended in front of you. Keep in mind, you can adjust the track adapter in the track to move it up to five inches. **TIP:** Put on your PFD for this step as the extra material may slightly impact where you decide to place the mount relative to your torso.

Adjust the device in the track forward or back, if needed. In some cases, you may need to remove the end caps. In others, you may decide that you'd like to use a longer set of Tough-Tracks. Contact us at [info@angleoar.com](mailto:info@angleoar.com) if you'd like to swap out your tracks for longer ones. There may be a slight difference in price.

**NOTE:** If you find the support post is too high or too low for your particular kayak, we do have alternate post lengths available. Contact us at [info@angleoar.com](mailto:info@angleoar.com) to swap one out. Keep in mind, though, that the taller the support post, the more torque the system must endure. For this reason, some customers consider adding additional bracing to their Twin Track Mount to keep the support post stabilized.

### **STEP THREE: ATTACH THE TRACKS**

If the distance and height seem suitable, you can secure the Twin Track Mount. Choose which attachment method you'd like to use. We provide hardware for either a "blind" well nut installation or self-tapping screws. The well nut installation is preferable though the drill holes will be larger. If you choose the self-tapping screws, you don't necessarily need to drill pilot holes, but you can.

**NOTE:** There are marine rivets available on the market, however, the diameter doesn't tend to work with the RAM Tough-Tracks. You may choose to source your own rivets and secure them with a rivet gun, if desired.

Keeping the tracks in their ideal placement, carefully mark the drill holes. We suggest you keep the base mount attached to the tracks during this step to ensure the distance between the tracks remains consistent. You can move the base to one end of the tracks to mark the center drill holes.

#### **Well Nuts**

If you're using well nuts, apply a small amount of sealant and place one well nut in each hole, leaving the wider brim side up. When inserted, the brim should rest flat on the surface of kayak. Put the tracks over the holes with the well nuts inserted and begin screwing the 8-32 screws that are included with your hardware. Use a screwdriver, not a drill, so that you don't over tighten. Alternate between holes, tightening them until you get to the point of the final turns. You should be able to feel the tension as the well nuts compress under the kayak.

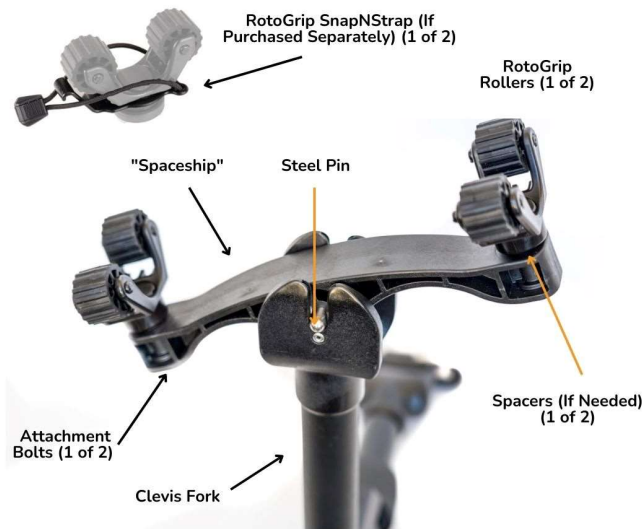
#### **Self-Tapping Screws**

If you're using this method, you can either drill a small pilot hole or drill the #8 screw directly into the kayak. Use sealant around the hole.

## STEP FOUR: ASSEMBLE & ATTACH YOUR VERSA OR GAMUT SYSTEM

### Gamut Paddle Holder

To assemble the Gamut, attach the two Roto Grips from the bottom, using either set of bolts, though the shorter bolts are generally sufficient. If your paddle has a cuff or other hindrance in the middle, which causes it to touch the Gamut "spaceship" piece when inserted, you may need to add spacers and use the longer bolts. Place either type of black spacers (e.g., single rubber spacers or stacked black washers) between the Roto Grips and the spaceship to create a little more room. Otherwise, simply use the shorter bolts without spacers.



**NOTE:** If you purchased the Roto Grip SnapNStraps, you must add those before securing the Roto Grips through the spaceship. Snap the clip into place over the round base. The hooked side should be angled upward.

Slip the clevis fork onto the support post. Next, pop the steel pin of the Gamut into the v-shaped area of the clevis fork. You may find that the "spaceship" doesn't initially move fluidly in the clevis fork, but it will become looser over time.

Grab your paddle and give it a spin!



## Versa

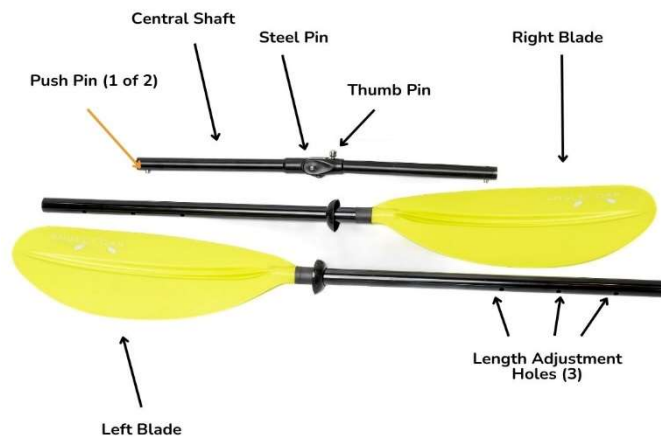


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## VERSA - CENTRAL SHAFT

With the mount installed, you are ready to [assemble](#) and attach your Versa Paddle. The central shaft of your Versa Paddle will likely arrive in two pieces, (i.e., unattached). Simply locate the two-inch steel pin in your package and insert it through the center holes on each half. The section with the thumb pin should be on the right side, and the push pins should be facing downward on both sides. Try to face the flat edge of the steel pin towards the set screw and make sure the sides extending out of the hole are equal on each side (i.e., roughly  $\frac{1}{2}$  inch per side). Next, insert a  $\frac{1}{8}$ " Allen wrench into the top hole to tighten the set screw that's embedded inside. Turn it to the right until it's snug. Now you should be able to transition the central shaft from straight to angled and back again. See the link

on the first page of these instructions to see a video on how to tighten it. **NOTE:** The set screw may become loose over time, so keep the Allen wrench to re-tighten it when needed.



ANGLE OAR

## VERSA PADDLE

Next, insert each blade of your paddle onto each side of the central shaft. The length adjustment holes on each shaft should face downward, and the adjustable thumb pin on the central shaft should be on the right. Make sure you put the blades on their proper sides. (Hint: They are correct if you can see the Angle Oar logo on each blade, right side up, facing you.) For now, choose one of the three adjustment holes on the blades to snap the push pins into place, keeping the length the same on both sides. You can adjust the length whenever you want.

Slip the clevis fork onto the support post. Then pop the steel pin of the central shaft into the clevis fork, with the thumb pin on the right side. Go ahead and give your Versa system a spin.

## TIPS FOR USING VERSA & GAMUT

### Both

Be gentle with your system. There are multiple moving parts that can get lost or broken if handled roughly. Clean your system after each use and store the components in a designated storage bag/container. Consider having a backup paddle on-hand. Share these tips with your team, if applicable.

If you have the hinged mount, simply hinge it upward for entering and exiting your kayak. **Avoid putting your body weight on the mount as you may damage the stabilization brackets, hinge plate and/or mount. Also try to avoid having it “hang” open when not in use as it will create stress on the hinge plate and coaming.**

The Versa or Gamut can be difficult to remove from the clevis fork, by design. You may have to give it a strong tug to get it loose. It’s easiest to do this with the clevis fork and paddle off of the support post. Be careful not to accidentally send the clevis fork flying into the water when you remove it. Consider adding a tether to avoid losing the clevis fork.

If you find the clevis fork raises up on your support post as you’re paddling, try to use a slight downward pressure and/or gravity with your hands during the push-pull of the paddle stroke. If you’re doing it correctly, the clevis fork should not lift up, only turn about the support post.

Occasionally, the epoxy seal that holds components together may break. You can use a suitable epoxy from a local hardware store to reconnect them. Allow time to dry.

### Versa Only

Practice using the thumb pin to change the angle of Versa. Do this on dry land. Lift the left shaft up a bit to take the pressure off the thumb pin in its slot so that it can be adjusted. Pull back toward the right on the button to retract it. Also practice using the three push pins on each shaft to adjust the length of the paddle.

We’ve found that it’s easiest, if you are able, to use the paddle straight and off the mount upon entering and exiting the water. Straight mode and on the mount works well in open water conditions where you may have choppy water. Angled and on the mount works well when the water is very calm as it minimizes the likelihood of the paddle skipping on the water during strokes.

The stainless-steel pin that connects Versa’s central shaft should be tight when you receive it. If it loosens over time, just open up the angled component to access a hole that contains a set pin. Use a small 1/8" Allen Wrench to tighten the set pin by turning to the right. See our YouTube channel for a video demo.

Both Versa paddle shafts contain a small amount of foam to aid in flotation, however, it occasionally it will not be enough to hold the weight of the paddle. We recommend adding additional spray foam in each shaft, being careful not to extend the foam past the first shaft hole, or even adding pool noodles to the shafts.

### Gamut Only

The “spaceship” piece of your Gamut may be a little tight when inserted in the clevis fork. It will loosen over time. If desired, however, you can add a small amount of lubricant (e.g., WD-40) or even lightly sand/buff the area of the spaceship around the steel pin to create a narrower fit.

If you haven’t already purchased them, we recommend using the [RotoGrip SnapNStraps](#) to keep the paddle securely in place as it can occasionally pop loose from the RotoGrips during paddling.