

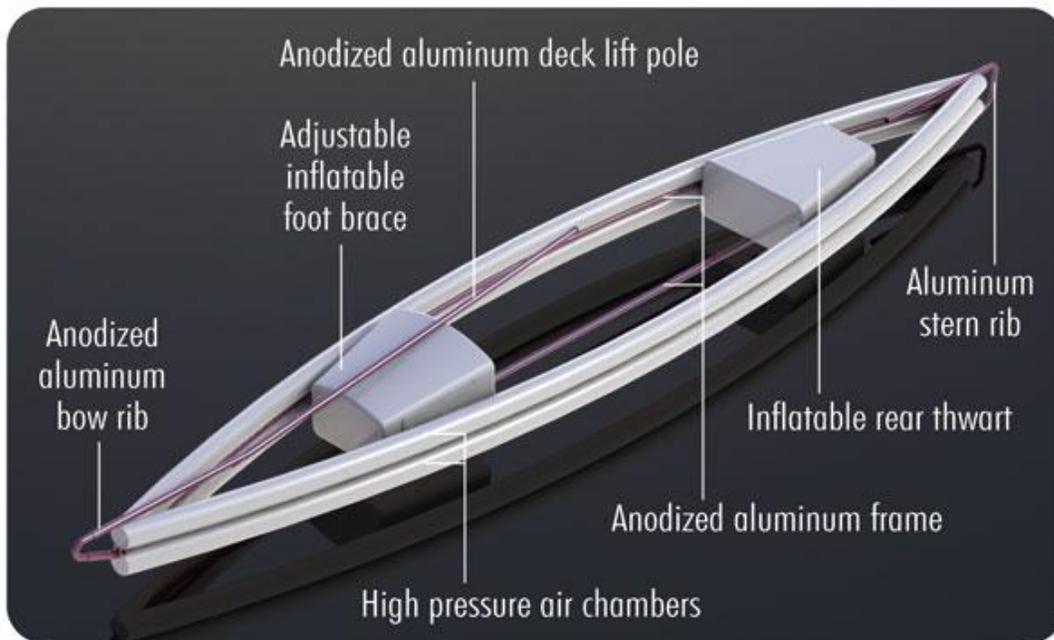


Fine Tuning The AirFusion Tube Alignment

Occasionally during setup, one or more of the internal components may shift causing the form of the kayak to twist or appear more inflated on one side. The following information is intended to aid in solving some of the possible misalignment issues that may be encountered.

Background:

The Air Fusion is designed with (4) air chambers that run the length of the kayak, (2) thwarts (front and rear), and frame poles (3 run the length of the kayak and 1 that is used as a deck lift). The internal frame is like a "skeleton" inside the outer yellow skin "cover" of the kayak, as shown below.



There are three common causes for misalignment which are listed below.

1. THWARTS:

Be sure that the Center Frame Poles #1 & 2, are connected through the slot on the underside of the front and rear thwart. This way when the thwart is inflated it will help keep the center pole centered. Adjustments to the thwarts during inflation may be needed to be sure that the thwart does not shift during inflation and pull the 1 or 2 poles off center. The best way to check this is by visually checking the thwart during inflation to be sure it is not rotating (i.e. one side higher than the other) or lifting excessively. Ideally you want to have the thwart inflate touching the floor and even, without rotation.

2. TUBE ALIGNMENT:

Be sure that the inner tube covers are aligned end to end. This can be checked by deflating the kayak, removing the right and left poles, and pulling the ends of the tube covers through the zipper access hole. (see below)



Check to be sure the Velcro is aligned and holding the white tube covers together, and that the ends are aligned as well. Next, with your hand, feed the aligned tube covers back into the zipper access and push the ends as far to each end as possible. Next, connect the Velcro patch on the outside of the white tube covers to the inside of the yellow outer cover. When doing this you want to try to keep flat against the side walls and try not to allow them to fold over, or bunch up. Next, re-install the side poles and begin the inflation process, checking periodically at both ends to be sure that the inflation is uniform.

3. INFLATION PROCESS:

Be sure to inflate the (4) side inflation tubes in shifts as described in the manual. Ideally you will want to put 4-5 pumps of air in the lower side chamber first, then 4-5 pumps in the opposite lower side chamber. then repeat for the top right and left. (again 4-5 pumps). Then unzip the fore and aft deck zippers and visually check the tubes to be sure they are filling evenly. The manual then advises to inflate the thwarts and then top off the (4) side tubes. It may be a good idea, after inflating the thwarts, to inflate each of the four tubes 4-5 pumps once more, and then proceed to top off each of the 4 chambers. This may help bring the tubes up to pressure more evenly. Definitely Do Not inflate one side completely first and then inflate the other side as this will result in a bow or stern that could bow to the right or left.