

AirBim V3 Bimini Assist Lift Kit Installation Instructions (All Seadoo Switch Models)

What is in your kit:

2 lower mounts	2 upper arm gaskets	4 upper arm mount set screws
2 upper arm mounts	8 upper arm mount screws	4 Ball end studs
2 upper arm top mounts	2 Airbim Gas Struts	8 upper arm mount bolts

Tools Needed:

2 T-30 Torx sockets-ratchet	Battery Drill w/ Phillips Head	13 mm Socket
5/32 Allen Wrench	5/32 th inch Metal Drill Bit	Wrench for ball stud
Tape Measure	Pencil	Crescent Wrench

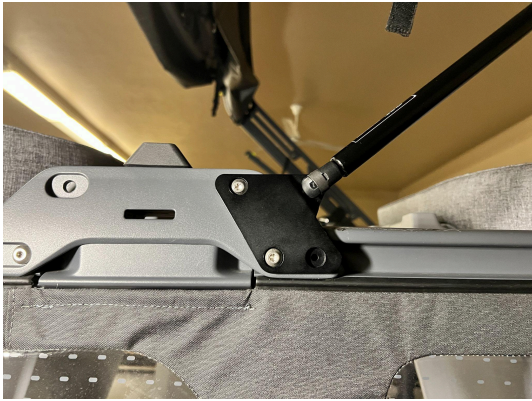
Begin by lifting the bimini and locking in the support arm on the Starboard side or Driver side. Also open the bimini fully and lock it in. We will begin installation on the Port side or Passenger side

Lower Mount Installation:

1. Lift/unlock the support arm so it is out of the way. Remove the two existing bolts shown below using a T-30 Torx Socket. Please note: for the upper bolt you will need two T-30 torx sockets as the bolts have torx heads on each side. The lower bolt does not.



2. With the bolts removed insert the port (passenger side) lower mount into the slots as shown below. Please note: There are only two bolts not 3. You are not missing anything. We have an additional bolt hole in the location for a future accessory.



3. Next reinsert the lower (Longer) torx bolt you removed and get the bolt started, but do not tighten yet. Be careful not to cross thread any bolts.
4. Then insert the threaded tube back into the mount, **Note: the tube will be inserted from the inside of the boat and the bolt will be placed on the outside through the upper hole in the airbim mount.**

Note: The threaded tube will go all the way through and rest on the existing mounts otherside. Place the bolt in and thread into the threaded tube. Now you can begin to tighten both bolts, get the upper bolt snug but not tighten and then get the bottom bolt snug.

Once both are snug you can tighten both by rotating back and forth. Be careful not to over tighten or you will strip your torx head bolts.



5. Now we can insert our ball stud bolt and nylock nut and tighten it down.

Upper Mount:

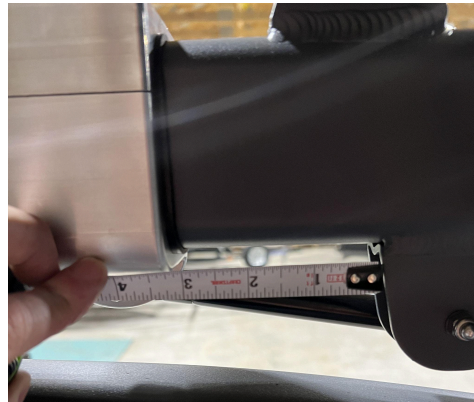
1. Begin by removing the bimini lock latch by tapping upward on the green plastic latch.



2. **18-21 ft switches** will Place the gasket 1/8th inch away from the existing lock mount weld. See below.



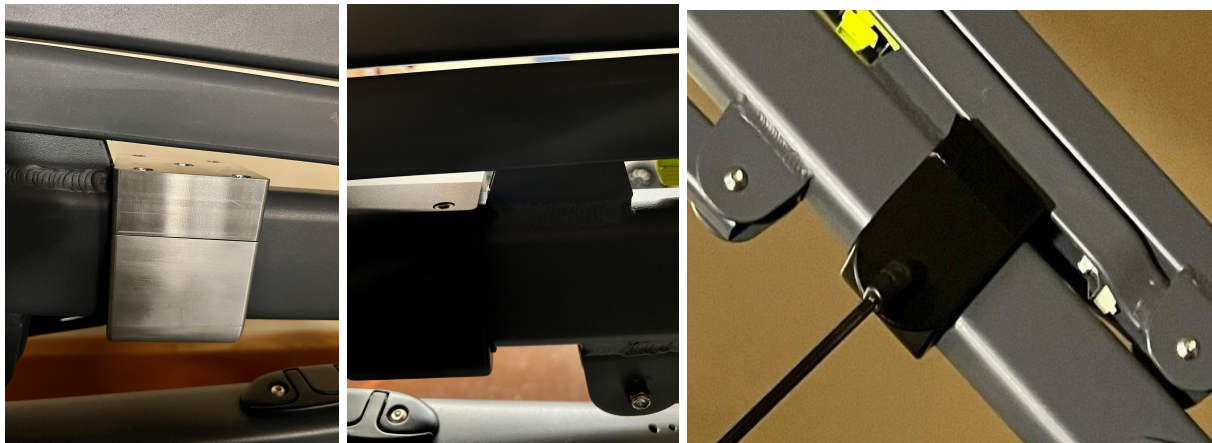
(13ft Compact Switch Lower measurement view. Measure from the lower weld 3 1/4 inches) and place a pencil mark/line where the edge of the gasket will line up with.



(13ft Compact Switch Top measurement view. 1 ½ inches from the upper mount weld.)



3. Wrap your gasket around the arm with the seem meeting in the center of the side of the arm, **NOT** meeting on the top or bottom center
4. Slide your airbim upper top mount over the top of the gasket keeping it as close to the weld as possible not touching and remaining on the gasket. **13 ft switches should place the edge of your top mount on the measurement line as shown above.**

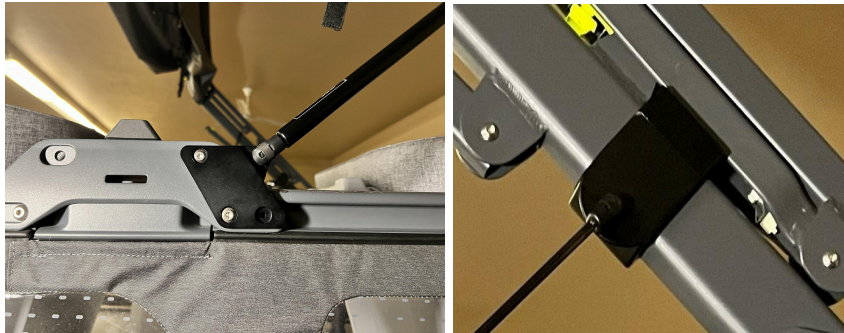


5. Slide the airbim upper bottom mount over the gasket and thread in the 4 bolts into the upper mount connecting the lower mount. Once you have them threaded in you should be able to adjust the mount a little and get it as close as possible to weld while still remaining on the gasket on both ends. **13 ft switches should place the edge of your top mount on the measurement line as shown above.**
6. **13 ft switches only** will Slide the airbim upper bottom mount over the gasket and thread in the 4 bolts into the upper mount connecting the lower and upper mount. Once you have them threaded in you should be able to adjust the mount and gasket to the 3 1/4 inches as mentioned above, Once you are at 3 1/4 inches you can snug the top bolts down.
7. You can now tighten the upper bolt down using a cross pattern. You should have no gap between the upper and lower mount. If you do please double check your gasket and make sure it is not catching/bound up somewhere on the mounts.

8. Next insert our ball stud and nylock nut and tighten it down.

Gas Strut Install and test: Before you install your struts be sure both ends of the struts ball ends are fully screwed into the threaded ends of the struts.

1. Snap your gas struts onto the lower mount first, The strut should be placed with the base closest to the lower mount as shown here. Then you will need to lift your bimini arm up a little bit to get the strut onto the upper mount, snap the upper in as well.



2. With the struts connected remove your arm support from the starboard (Driver) side, but **be careful because the bimini can come down at this point**. Lower the bimini to test the motion of the system. When testing the motion be sure to lower it very slowly and watch the strut as you go all the way down slowly.

When fully lowered you should have a small or very small gap between the base of the strut and the ball stud end shown below. As long as it does not make contact with the base you are good. If when lowering it you determine it will not close fully and will hit the base you will need to move your upper mount further back by an 1/8th inch and tighten and repeat the lowering test process.



Inserting the upper mount set screws:

DO NOT CONTINUE WITH THIS FINAL STEP UNTIL YOU HAVE COMPLETED THE LOWERING TEST ABOVE.

Although the system will work without the set screws and we have not seen the upper mount move at all we can not guarantee it to function correctly or not move without the set screw on the upper mount. This is due mostly to the unpredictability of metal expansion in certain climates. Seadoo has much larger holes in these arms for the straps and rubber bimini stops. We are drilling a very small hole for the set screw.

1. There are two pre-drilled holes on the AirBim upper top mount and the upper bottom mount.
2. Using a 5/32 inch metal drill bit drill in the center of the pre-drilled mount hole, Drill one hole in the top and one in the bottom. Do not use any larger drill bit. It should be a 5/32 th bit.



3. Next using a battery drill with a phillips head, screw in the set screws being careful not to overtighten the set screw or strip out your screw head. You will feel it stop.

Support Arm Tension:

1. The final step for the side completion is to tighten your support arm bolt a little. Currently your support arm tends to fall down when you lift the bimini up. To avoid the support arm dangling or dropping quickly we will give a few turns on the support arm locking nut which will allow the support arm not to fall when the airbim is used. Give this nut a few turns to snug it up a little bit. You want it snug enough so the support arm doesn't fall easily but you also do not want to overtighten it either.



Port side (passenger) installation is now complete you can repeat the process on the starboard (Driver Side)

You now have fully completed the installation on one side of the boat, you will repeat the process on the other side.

Always be sure your support arms are locked in place when boating. The AirBim is NOT intended for use while the boat is in motion.

Care and Maintenance:

1. Although your mounts are using a UV treated in the anodized process and will last a long time with proper care, they will not hold up if in direct sunlight when stored.

Many use an aftermarket cover and your mounts are covered well but there are also many that use the seadoo mooring cover which does not cover our mounts and they need to be covered. You should always keep your mounts and boat fully covered when not in use to avoid any discoloration of the mounts due to some harsh UV climate areas.

Unfortunately due to the wide variation of customer care storage we do not warranty any discoloration.

2. We recommend cleaning your mounts with after each use with a soft cloth and fresh water
3. Once a month we recommend using WD-40 on a soft cloth and wipe down your gas strut rods. For long periods of storage this process should be added to your winterization process/s

