

## Ice Skate Fitting Instructions

### Blokart Ice Skates

The Blokart ice skates are designed to keep you sailing when the thermometer heads south of 0°C (34°F)

The Blokart Ice Skates have seen a steady evolution over the years picking up on learnings from previous models and refined for usability, performance and production.

Please read and follow these safety and assembly instructions carefully, some of them may seem over the top but there are risks on the ice that you should be aware of and prepared for. if you have any questions please feel free to contact us.



Following are the Assembly and maintenance instructions for your skates. You will require the following tools

#### Assembly tools:

- 19mm Ring spanner or socket.
- 10mm Ring spanner or socket.
- Phillips Screw driver

#### Tuning and Maintenance tools:

- Accurate tape measure.
- Sturdy Vice with soft jaws to protect the blades
- A sharp, flat file.



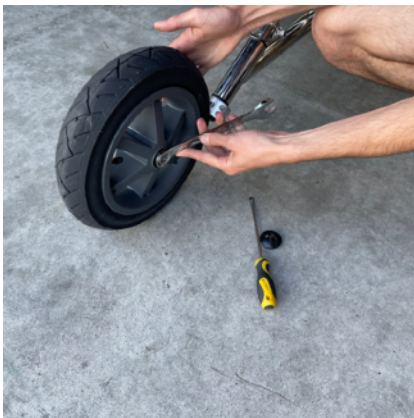
**CAUTION: The Skates are very sharp. Always exercise caution**

## **Front**

*The front blade fits directly to the standard blokart front fork with the 12mm axle. The process is very simple.*

1. Remove the front wheel from the fork by removing the wheel nut with a 19mm Ring Spanner or Socket.
2. With the front wheel removed from the fork, slide on one of the 12mm washers supplied, followed by the blade with the long end facing forwards, then another 12mm washer followed by the 12mm nylock nut.
3. Tighten the 12mm nylock so it is locked in place but not so tight that the blade cannot pivot a little.
4. You can now fit the fork to your keel tube as normal. Ensure the retaining pin and R-clip are securely fitted.

*You may want to remove your fork from your keel tube for packing, if so remove the fork from the keel tube but leave it attached to the blade, the fork will rotate forward to fit in the bag with the blades.*



## **Rear**

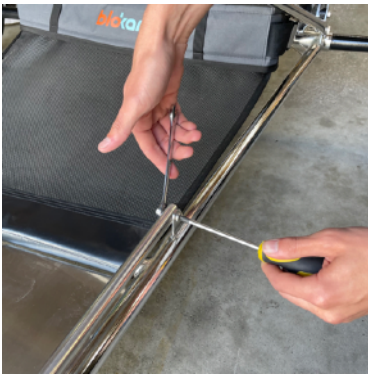
1. Using a 10mm spanner and Phillips screw driver, remove the existing foot bar screws near the seat.
2. Remove the i-bolts from the tow-in-adjustor assembly by removing the pull pin.
3. Using the i-bolts re-attach the foot bar with the eye facing out.

*The i-bolts can remain on the blokart for land or ice sailing.*

4. Establish which blade is for the left and right. The long end faces forwards with the sticker facing out.
5. With the rear wheels removed from the stub axles and the aluminium spacer washer still in place, add 1 x 12mm washer then slide the stub axle into the bushes on the blade, add another 12mm washer and replace the 12mm nylock nut.
6. Tighten firmly but ensure it is possible for the axle to still pivot. *(You may find this easier to do with the stainless steel stub axles fitted into the fibreglass axle)*

*NB: Some people choose to buy spare stub axles so there is no need to remove them from the wheels.*

7. Take the tow-in adjustor assembly and slide the black collar over the fibreglass axle that is fitted to the Blokart.
8. Now fit the rear blade to the kart by inserting the blade axle into the fibreglass axle, the same way you would for a normal wheel.
9. Slide the black collar from the tow-in-adjustor to the outside of the axle so the spring button pops through the slot in the back.
10. Line up the hole in the tow in adjustor with the i-bolt and reinsert the pull pin. You may need to screw the thread on the tow in adjustor either in or out to align with the hole on the i-bolt (ensure the locking nut is released to do this)





## **Tuning the rear blades**

1. The rear blades perform their best when running parallel to each other. For optimum performance the following steps should be carried out before each outing. You will need a tape measure and someone of similar weight with you.
2. Ensure the locking nuts are undone and with the pilot or someone of similar weight sitting in the kart.
3. Measure the distance between the front of the blades and the rear of the blades.
4. Adjust the tension on the tow-in adjustor to get the distance between front and back as close as possible.
5. Tighten the lock nuts up to secure the tow in adjustor in place



## **Edge Maintenance**

It is critical to keep the edges sharp prior to each use.

To do this you will require a sturdy vice to hold the blade with soft jaws to protect the surface.

Using a flat file evenly file each side of the 'V' until the blade is sharp.

The front has an inverse 'V' but the process is the same, The inverse 'V' has a relief slot machined down the centre to make it easier to seat the file for sharpening.

Take care when filing the blades with gentle and slow strokes, only removing enough material to get a keen edge back. Be sure to keep the file flat to the original surface for the length of the cut.

Please note, if you are using a file that has been used on regular steel (not Stainless) there is the possibility that they small fillings left over in the file may cause the stainless steel blades to rust.

### POD Fitting

- To fit the POD with the skates, you need to make a small cut in the POD skin so the i-bolt can stick through.
- Do this with the POD fitted so the location where the cut needs to be made is clear.
- With a sharp craft knife make a small horizontal cut on top of the eye bolt, just wide enough for the i-bolt to stick through
- The fabric is ripstop and will not continue to rip.

### Safety

- Never sail on the ice alone.
- Always check the ice conditions before sailing. If you are not certain that the body of water is completely frozen do not proceed. You need at least 10 cm of ice, black ice is the strongest ice, dirty white snowy ice is not as strong and will crack sooner without any sound.
- Ensure you have suitable safety equipment including gloves, helmet, goggles, shoes, warm clothing, icepicks and a plastic whistle attached to your jacket. (not metal as this may freeze to your lips)
- On shore or in your vehicle, keep a blanket to warm up when necessary, provisions of food and drink, a change of clothes and an emergency contact list.
- Know the signs of hypothermia and what to do if someone becomes hypothermic.
- Be well aware of the weather forecast / predictions for the day and appreciate weather can change quickly.
- Only sail when visibility is such that you can see solid ice in front of you.
- Ensure you inspect your equipment well before each outing checking for damage and wear. Be sure your blades are sharp.
- Do not use the seat belt when sailing on ice. Clip it up behind the seat to keep it out of the way.
- On land, blokart sailing can happen in very close quarters, when sailing on the ice allow sufficient space between yourself and other pilots so contact is unlikely. Blades present a greater risk in a collision than tires do.
- We recommend to always sail with a GPS or compass and be aware of your start point incase of unpredicted fog, rain, hail or snow.
- Go to [www.youtube.com](http://www.youtube.com) and watch Survival in the Ice - Part 1 and Survival in the Ice - Part 2



Tow in Adjustors



M12 Washers



Front Blade

Left Blade



Right Blade

