

MAUI ULTRA FINS

FOIL MANUAL



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1 RELEASE OF LIABILITY, CLAIM WAIVER, ASSUMPTION OF RISK

By assembling and/or using this Maui Ultra Fins (MUF) foil, you agree that you have read and understood the entire product owner's manual, including all instructions and warnings contained in that manual, prior to using the MUF foil product in any way.

The use of the MUF foil and any of its components involves certain inherent risks, dangers, and hazards that can result in serious personal injury and

death to both the user and to nonuser third parties. In using the foil, you freely agree to assume and accept any and all known and unknown risks of injury to you and to third parties while using this equipment. MUF will not be held responsible for any claims.

The risks inherent in this sport can be greatly reduced by abiding the warning guidelines listed in this owner manual and by using common sense.

2 SAFETY AND PRECAUTIONS

If you are not yet able to windsurf or if you feel insecure, we recommend that you attend a licensed windsurfing school to learn the basics of this sport. Get familiar with the safety precautions. Windsurfing creates a heavy strain on your body. You should only go windsurfing if you are in good physical condition and suffer from no medical conditions that may prevent you from windsurfing. Always act carefully to not endanger yourself or anyone else. Do not endanger

the safety of uninvolved third parties! Be aware of the risks you take and limit them to a minimum level!

Before going on the water make sure you are familiar with your equipment. For your own safety, read the following instructions as well as product descriptions very carefully.

2.1 GENERAL SAFETY FOR WINDSURFING

- » Get your fitness checked by a doctor prior to starting windsurfing.
- » Just enter waters which are suitable and where windsurfing is permitted.
- » Only start windsurfing if you're a good swimmer and wear a life vest.
- » Never go out alone or without having someone watching you.
- » Always maintain a safe distance to other water users such as swimmers, divers, and other watercraft.
- » Stay away from waterways which are used by professional ships/boats.
- » Use a board according to your windsurfing level, which offers enough volume to keep you up and stable on your board also when the wind gets light or you get tired.

- » Use a wetsuit, hood, boots and gloves in colder temperatures.
- » Wear a helmet for your first planing experience, when riding spots with shallow waters or when learning jumps and maneuvers in waves.
- » Use an uphaul even if you have mastered the waterstart. You are then still able to lift the sail once the wind gets light.
- » Be aware of the general risks when doing water sports such as stones/rocks, wind, waves, tides, currents, sun/UV, undercooling, jellyfish, etc...

2.2 DANGERS THROUGH YOUR EQUIPMENT

- » Always place your equipment on an even surface and never leave it unattended. Leave your foil board and rig connected and don't leave your equipment in a spot with wind turbulences. Always put the foil board on the upwind side and the rig towards the downwind side. Secure your equipment by placing a heavy object on the bottom end of your rig in very windy conditions. Always place your equipment in a safe distance to people, vehicles and other objects so it cannot cause any damage or injuries. Pay special attention to the orientation of your foil!
- » Always leave foil board and rig connected when being on the water. Leave the water to change settings of your equipment. In case foil board and rig get disconnected on the water, leave your rig and swim to your foil board as quickly as possible before it drifts out of reach. Paddle or swim back to your sail afterwards.

- » If you can't get back to shore sailing or swimming, make signals to get help by others. If you're caught drifting in a dangerous current and you can't get back to shore sailing or swimming with your equipment, you might want to leave your rig behind and paddle back to shore on your foil board. If you seriously doubt the success of this measure, you might want to keep the rig attached to increase the visibility for potential rescuers for example from above. However, you might run into a situation where you have to leave your gear behind immediately, for example in very high surf. Always inform the authorities when leaving gear out on the sea to avoid unnecessary and risky rescue missions and to ensure recovering of your gear.

2.3 DANGERS THROUGH YOUR FOIL

- » The foil has a certain depth and wingspan under the waters' surface. Keep that in mind when getting on and off your board, as well as once you fall off. Sharp edges on your foil can cause serious injuries!
- » Only use the foil in deep enough waters. The foil has way more depth than windsurfing fins. Touching the ground can cause serious crashes, breakage of your equipment and injuries.
- » Wear a wetsuit, helmet, impact vest and boots/shoes, when using your foil.
- » Never foil alone. Always have somebody watching you who can help in an emergency.

Windsurfing with a foil carries a lot of risks and can be incredibly dangerous if performed incorrectly. This could result in serious injury and/or death of the user or others in close proximity. Individuals using the foil must be aware of the dangers involved such as losing control when foiling, being hit by the foil board or foil and suffering deep cuts, even drowning. As many of the foil's components are incredible sharp and potentially hazardous, extra care must be taken at all times, from assembling to riding in order to avoid injury to the user and others.

This foil comes with this detailed manual and product information. You MUST read all information in this manual concerning general and specific warnings, assembling, maintenance and care of the foil prior to use. The manual only

contains the above information but no advice on how to foil and does not replace any tuition in learning how to foil. We will not accept any liability for those who choose not to follow our instructions.

We recommend that you always wear certified helmets and impact life vests as well as neoprene wetsuits and shoes for your own protection.

Do not overestimate and surpass your foiling capabilities and always maintain control of the foil. Ride within your limits and do not use it at speeds that exceed your comfort zone. Be aware and familiarize yourself with your surroundings. Do not put yourself or other water users in danger by riding close to swimmers, divers, boats, docks and other objects that could interfere with you and your foil.

Do not use the foil in shallow waters as it will cause harm to both, you and your gear. Also, be aware that the components that make up this product are exposed to natural forces and are subject to wear and tear.

Check your foil each time you ride and ensure that the screws are tightened with the torx screwdriver as described in this manual. Also check the foil during longer sessions and after impact and crashes.

Failure to follow these instructions may increase the risk of serious personal injury or death, damage to the product, or both.

2.4 DANGERS TO THIRD PARTIES

- » You are responsible for not putting others in danger. Don't go foiling in places where others could get hurt!
- » Always maintain a safe distance to other people or objects in the water. Pay

attention to fellow water users like swimmers and divers, and be aware of the dangers of your board, fin or foil to them!

2.5 WEATHER RELATED DANGERS

- » Avoid offshore winds.
- » Inform yourself about tides and currents at your spot.
- » Check the weather forecast and make sure there are no sudden changes expected.
- » Only enter the water when you can securely master the conditions with

your foiling level and experience.

- » Never enter the water when thunderstorm/lightning is possible or near you.
- » Leave the water immediately if a thunderstorm approaches!
- » The basic rules of foiling comply with those of common sense and are valid for all outdoor sports.

3 MOUNTING THE MUF FOIL

Check if you have all parts of the foil and tools necessary to mount the foil. Everything will be packed in your MUF foil bag:

- » mast
- » fuselage
- » front wing
- » stabilizer (rear wing)
- » torx screwdriver
- » grease (one tube)
- » screws / inserts:
 - » 2 short torx screws for stabilizer (in the plastic bag)
 - » 2 special torx inserts including screws for sideways mast-fuselage connection (already pre-mounted)
 - » 2 long torx screws for vertical mast-fuselage connection (already pre-mounted)
 - » 3 identical torx screws for front wing (already pre-mounted)

To mount the foil onto the foil board, you will additionally also need (not supplied with foil):

- » 2 M6 screws for mounting the foil onto the foil board – make sure to use the correct length depending on your board to avoid damage to the foil mast!
- » screwdriver or Allen key

Watch the video on the mounting procedure prior to mounting the foil:
www.mauiultrafins.shop/foils/mounting

For all steps: **Don't ever overtighten any of the screws.** You will apply enough force when using the short part of the supplied torx screwdriver to tighten the screws.

Check the drawing for details like the direction / alignment of the wings.

Read the following steps first and only then assemble the foil in this exact order:

1. BACK WING TO THE FUSELAGE

Mount the **rear wing** onto the **fuselage** with the shortest two torx screws.

2. MAST INTO THE FUSELAGE

Push the **mast** into the **fuselage** from above. To do this, place the fuselage on the ground and insert the smaller end of the mast into it. The rear wing will be at the sharper (rear) part of the mast. It will be a very tight fit to guarantee stability when foiling. The mast might not fit into the fuselage completely yet.

Turn the mast upside down so the fuselage is at the top. Apply more pressure with both hands on the fuselage until the mast is completely connected to the fuselage. You will see that when the two holes match completely and you can see through them. After that put the **two special torx inserts** into the **sideway holes**, insert the two matching screws and tighten them **moderately** with the screwdriver. They will secure the connection of mast and fuselage.

3. FIX MAST TO FUSELAGE

Fix the **mast** to the **fuselage** from the bottom using the longest two torx screws. Again: Do not tighten them too much. They only serve as a backup for the side screws and carry no load.

4. INSERT THE MAST INTO DEEP TUTTLE BOX

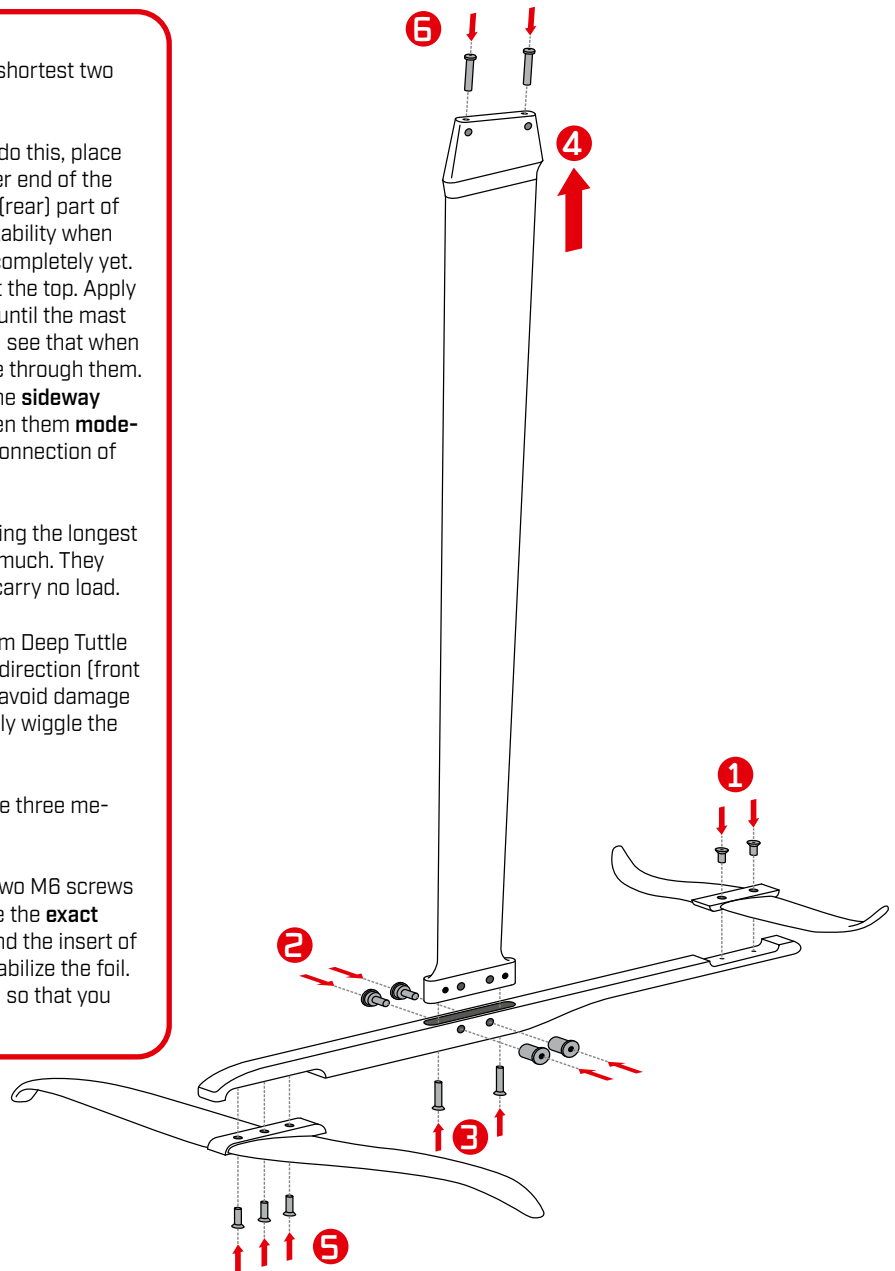
Insert the **mast** into the **foil box** (certified medium Deep Tuttle fin box) of your foil board. Check for the correct direction (front wing pointing towards the front of the board) to avoid damage to the box. Apply moderate pressure and carefully wiggle the mast into the box.

5. FRONT WING ONTO FUSELAGE

Fix the **front wing** to the **fuselage** by applying the three medium sized screws.

6. FIX THE FOIL

Fix the **foil** to the foilbox of your **foil board** with two M6 screws and a matching screwdriver. Pay attention to use the **exact screw length** so that the screws do not go beyond the insert of the mast. That could damage the mast and destabilize the foil. Measure the distance before assembling the foil so that you have the right screws at hand.



4 DEMOUNTING & MAINTENANCE

Demount the foil in the exact reverse order so that no material gets damaged by e.g. falling parts.

You should disassemble the foil after each session. Rinse all parts including the screws/inserts with fresh water and let the foil dry. Apply matching grease to the screws and inserts. Store the foil in the bag provided. We recommend

that you use the original plastic protection for the individual parts (wings and mast) to avoid damage like scratches.

Do not leave the foil lying in the sun for extended periods of time. The dark colors heat up the foil which might lead to product failure.