



**IMPORTANT RULES AND MAINTENANCE:**

**ALWAYS KEEP**

- Before every use check that all the screws are correctly tightened with the right torque as described in this manual.
- Keep always the threaded holes and every connection between carbon and aluminum (mast and wings to fuselage) clean and greased with Lithium grease code [MHW033] to avoid and prevent oxidation and corrosion due to salt water.
- After every use disassemble and wash all the parts with fresh water and dry them using a soft cloth.
- Do not expose to extreme temperatures or direct sunlight over long periods. Do not expose to temperatures above 100° C / 212° F.
- Store the foil in a safe and dry place in order to prevent injury and damage.
- During assembly make sure that the sand does not get into the threads.



**DANGER!!!**

THIS DISCLAIMER IS INTENDED TO MAKE THE USER OF THIS PRODUCT AWARE THAT ANY HYDROFOILING ACTIVITY CAN CAUSE INJURY OR DEATH TO HIMSELF OR TO THE PEOPLE AROUND HIM.

OBSERVE THE FOLLOWING SAFETY STANDARDS WHENEVER USING THIS PRODUCT:

- MAST, WINGS AND STABILIZER HAVE SHARP EDGES THAT MAY CAUSE SERIOUS INJURY OR DEATH.
- ALWAYS KEEP THE FOIL LEEWARD AND FAR AWAY FROM THE HUMAN BODY.
- PAY CLOSE ATTENTION TO YOUR LEGS AND FEET WHILE SWIMMING.
- THE BOARD WITH THE HYDROFOIL CAN BE VERY DANGEROUS FOR THE USER AND FOR THOSE AROUND HIM, ESPECIALLY IF THE USER LOSES CONTROL.
- NEVER USE THIS PRODUCT UNLESS YOU ARE IN GOOD PHYSICAL HEALTH.
- NEVER USE THIS PRODUCT UNLESS YOU ARE AN EXPERIENCED SWIMMER.
- ALWAYS USE ADEQUATE PROTECTION SUCH AS HELMET AND A FLOATING VEST.
- BE AWARE OF THE REGULATIONS IN FORCE IN YOUR AREA REGARDING SURFING, WINDSURFING AND KITESURFING.
- ALWAYS WEAR A SUITABLE HELMET.
- USE THE HYDROFOIL IN SAFE WATER CONDITIONS AND WITHIN YOUR ABILITIES, MAKE SURE YOU TAKE LESSONS BEFORE USING THIS PRODUCT IN THE WATER.
- AVOID SHALLOW WATERS WITH PRESENCE OF SWIMMERS, ROCKS OR OTHER SOLID OBSTACLES.
- DO NOT USE ANY KIND OF LEASH.
- DO NOT USE THIS PRODUCT UNDER THE INFLUENCE OF ALCOHOL, DRUGS OR MEDICATIONS.
- MINIMUM AGE OF RIDER IS 18 YEARS UNLESS UNDER CLOSE SUPERVISION OF A PARENT OR A LEGAL GUARDIAN.
- THIS PRODUCT IS DESIGNED FOR USE IN WATER ONLY.
- DO NOT USE THIS PRODUCT DURING THUNDERSTORMS AND/OR LIGHTNING CONDITIONS.
- THE USERS ARE RESPONSIBLE FOR THEIR SAFETY AND THE SAFETY OF THOSE AROUND THEM.
- BEFORE RIDING ENSURE THAT THE BOLTS ARE TIGHTENED WITH THE RIGHT TORQUE AS DESCRIBED IN THIS MANUAL.
- SAB HELI DIVISION S.R.L. IS NOT RESPONSIBLE FOR INJURIES, DEATH OR DAMAGE TO THE PRODUCT DUE TO MISUSE OR ANY USE NOT CONSISTENT WITH THESE INSTRUCTIONS.

**ASSUMPTION OF RISK.**

SAB HELI DIVISION S.R.L. SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCT, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY.

Further, in no event shall the liability of SAB Heli Division exceed the individual price of the Product on which liability is asserted. As SAB Heli Division has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly the user accepts all resulting liability. If you as the Purchaser or user are not prepared to accept the liability associated with the use of this Product, you are advised to return this Product immediately in new and unused condition to the place of purchase.

**Law:** These Terms are governed by Illinois law (without regard to conflict of law principals).

**LIMITED WARRANTY.**

SAB HELI DIVISION S.R.L. reserves the right to change or modify this warranty without notice and disclaims all other warranties, express or implied.

(a) This warranty is limited to the original Purchaser ("Purchaser") and is not transferable. REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER This warranty covers only those Products purchased from an authorized SAB Heli Division dealer. Third party transactions are not covered by this warranty. Proof of purchase is required for warranty claims.

(b) Limitations- SAB HELI DIVISION MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NONINFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCT. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

(c) Purchaser Remedy- SAB Heli Division's sole obligation hereunder shall be that SAB Heli Division will, at its option, replace any Product determined by SAB Heli Division to be defective In the event of a defect, this is the Purchaser's exclusive remedy. Replacement decisions are at the sole discretion of SAB Heli Division. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the Product. This warranty does not cover damage due to improper installation, operation, maintenance or attempted repair by anyone.

Lithium grease  
[MHW033]



THE SCREWS MUST BE TIGHTEN BETWEEN 8 AND 9 Nm

**Board connection:**

- Insert the proper screws for the board from the upper side.
- Check that all screws are inside the bushing before tightening.
- Proceed to tighten the screws.

THE SCREWS MUST BE TIGHTEN BETWEEN 8 AND 9 Nm

**Front wing screws:**

**1000 [MH109]:**

- Insert 1 flat head screw M6x25mm in each hole without tightening.
- Proceed to tighten the screws.

**800 [MH118]:**

- Insert 1 flat head screw M6x25mm in the front hole without tightening.
- Insert 1 M6x20mm in the rear and central hole without tightening.
- Proceed to tighten the screws

**671 [MH130]:**

- Insert 1 flat head screw M6x20mm in the rear hole without tightening.
- Insert 1 M6x25mm in the front and central hole without tightening.
- Proceed to tighten the screw.

THE SCREWS MUST BE TIGHTEN BETWEEN 8 AND 9 Nm

**Mast connection [MH131]:**

- Insert 1 socket head screw M6x20mm and 1 washer  $\varnothing 6.2 \times \varnothing 9.9 \times 1$  mm in each hole (2) without tightening.
- Proceed to tighten the screws.

THE SCREWS MUST BE TIGHTEN BETWEEN 8 AND 9 Nm

**Match the fuselage [MH131]:**

- Insert 1 socket head screw M6x20mm and 1 washer  $\varnothing 6.2 \times \varnothing 9.9 \times 1$  mm in each hole (4) without tightening.
- Proceed to tighten the screws.

THE SCREWS MUST BE TIGHTEN BETWEEN 8 AND 9 Nm

**Stabilizers screws [MH107]:**

- Insert 1 flat head screw M6x16mm in each hole without tightening.
- Proceed to tighten the screws.

Lithium grease  
[MHW033]



Always keep the threaded holes and every connection between carbon (mast and wings) and aluminum (fuselage) clean and greased with "lithium grease" [MHW033] to avoid and prevent oxidation and corrosion due to salt water.

**WARNING**

- BE SURE THAT THE TUTTLE HEAD MATCHES PERFECTLY WITH YOUR TUTTLE BOX:
  - I) If the box of your board is thinner than the tuttle head you may need to sand the head to ensure it fits perfectly in the box.
  - II) Conversely you may need to add a spacer to the tuttle head if the box is too large.
- CHECK THAT THE 2 TUTTLE SCREWS ARE THE CORRECT LENGTH FOR YOUR BOARD
- CHECK THAT THE THREAD ON THE TWO BRASS BUSHINGS IS IN LINE WITH THE RESPECTIVE HOLES BEFORE TRYING TO INSERT THE SCREWS



- For race use sand completely mast and wings with water sand paper 800 and finish with 1200.

- SABFOIL racing foils are made of high modulus carbon to ensure the highest stiffness and torsion resistance. The technical choice of using a high modulus carbon is justified by the fact that its elongation under stress is minimal. Micro fractures on the mast caused by accidental collisions or by freestyle use of your race specific foil can cause the mast to break suddenly. For this reason, we recommend to check the mast carefully after a collision and **AVOID TO JUMP WITH YOUR MOSES RACE FOIL!**



Check the latest version of this manual