



HYDROFOILER™ XE-1

INITIAL ASSEMBLY GUIDE

ENGLISH - ORIGINAL INSTRUCTIONS:

This manual was drafted in English language and may have been translated into other languages (Translation of the original instructions) accompanying the original instructions.
AS00009 REV 5 MANTA5 XE-1 INITIAL ASSEMBLY GUIDE

WE ENCOURAGE YOU TO VISIT OUR WEB SITE WWW.MANTA5.COM FOR A DIGITAL VERSION OF THIS
MANUAL AND UPDATED TECHNICAL SUPPORT INFORMATION.

WARNING

USE OF THIS PRODUCT AND PARTICIPATION IN THE SPORT INVOLVES INHERENT RISKS OF INJURY OR DEATH.
TO REDUCE RISKS:

- Ride in water conditions that do not exceed the skills of the rider.
- Riders should remain within reasonable swimming distance to shore at all times.
- Attempting to ride in rough water, or in waves can increase the risk of injury or death.
- Do not use in shallow water or near swimmers or other watercraft.
- Always wear a suitable personal floatation device that is approved by your relevant local regulating body .
- Riders are highly recommended to wear suitable aquatic footwear and swimwear to protect from potential injury.
- Understand and abide by your local maritime regulations.
- When losing control of the bike, push off pedals to fall away from the bike.
- Children shall be a minimum of 16 years of age to operate the bike.
- Never ride after consuming drugs or alcohol.
- Never ride without a suitable communication device or supervision from the land.
- Read the manuals before use.

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PART 1. INTRODUCTION

This document provides information on the initial assembly of the Hydrofoiler XE-1 upon receipt. Initial assembly is required in order to prepare for transport to your ride location.

More complete product information is located within the Hydrofoiler XE-1 Owners Manual document.

The following is the basic layout of this document in order to complete the initial assembly of your Hydrofoiler XE-1:

1. Packaging contents and Hydrofoiler XE-1 parts list
2. Pre-assembly guide
3. Configuration and pairing
4. Disassembly for transport

Please note that Manta5 operates a policy of continuous improvement, all manual contents are subject to change and update without notice.

1.1 IMPORTANT SAFETY SYMBOLS AND WARNINGS

Your safety is important. When reading this manual you will find symbols and warnings with information to help keep you safe.



WARNING! Warns of hazards which could result in personal injury or threat to health, including potential danger zones in which any exposed person (wholly or partially within) is subject to a risk to their health or safety.



CAUTION: Indicates a potentially hazardous situation, which, if not avoided, may result in risk to user health or safety or, is an alert against unsafe practice.



NOTICE: Alert of information of particular importance which if not adhered to could result in damage to your hydrofoiler or void your warranty.



INFORMATION: Indicates information of particular importance, or a tip noting key information to improve your experience with your Hydrofoiler.



TORQUE: Indicates that a torque wrench or similar is recommended to avoid fasteners either coming loose or being overtightened.



LUBRICATE: Symbol indicates the specified lubricant should be applied as instructed.

PART 2. PACKAGING CONTENTS

2.1 INTRODUCTION

Your Hydrofoiler XE-1 arrives fitted with the motor, battery tray and battery as well as the rear buoyancy modules.



INFORMATION: When assembling the Hydrofoiler XE-1, Manta5 recommend using a friction paste for certain Hydrofoiler components and a torque meter may also be required to ensure the correct tightness of parts.



CAUTION: The Hydrofoiler is top-heavy when in the upside down position so make sure the surface you are placing it on for assembly (both initial and waterside) is flat and level.



CAUTION: Lifting the Hydrofoiler is easier with two people. Never strain to lift, manoeuvre or handle the items or the Hydrofoiler XE-1.

2.2 UNPACKING AND CHECKING COMPONENTS

Upon receiving your Hydrofoiler XE-1, check the outside of the packaging for any damage. If any damage can be seen, it is best to stop at this point and report the damage to both the shipping company and Manta5. If possible, take a photograph of any damage for future reference.

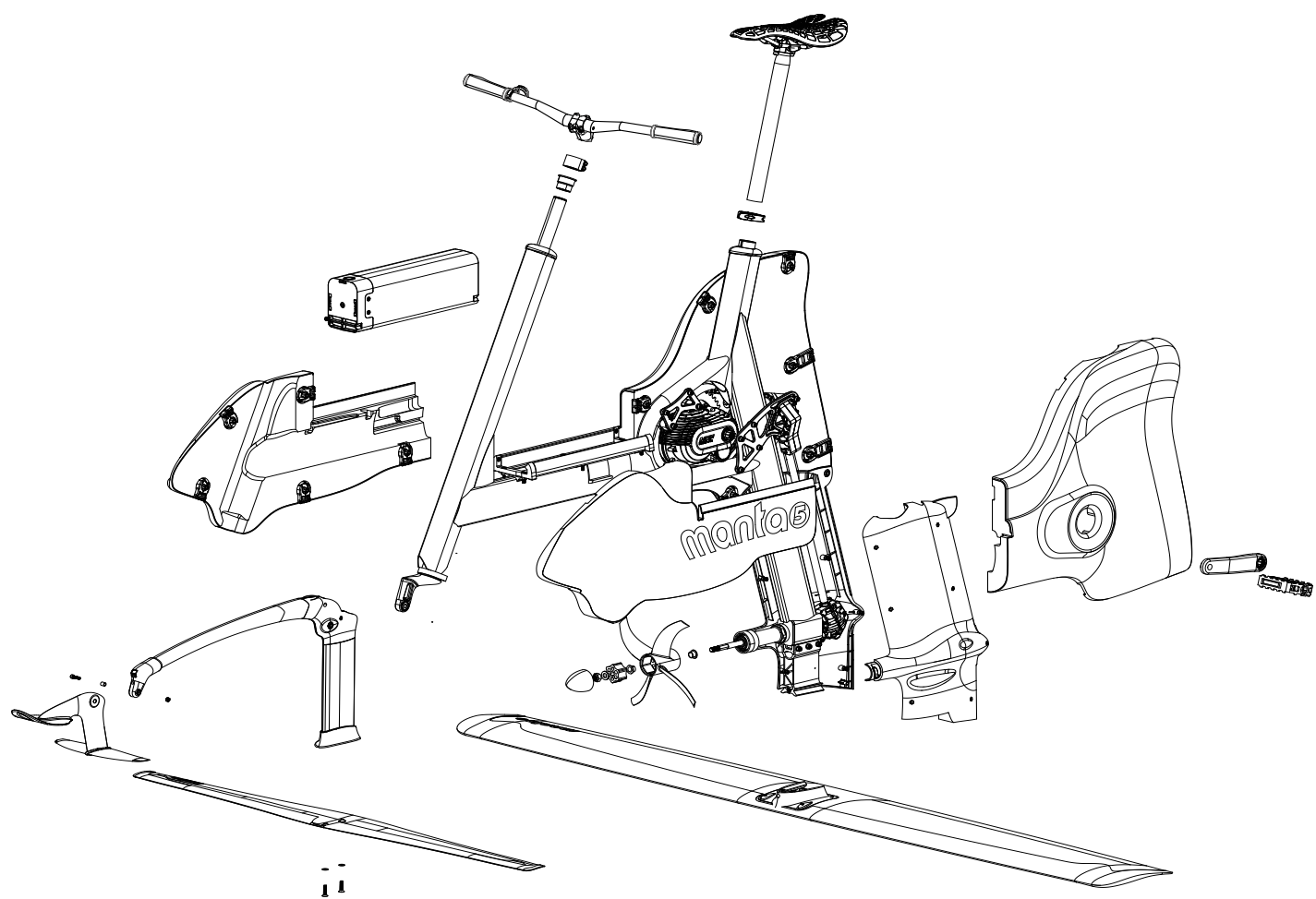
The Hydrofoiler XE-1 is shipped in two boxes:

- The large box (bike box) contains the main bike frame and assembly components.
- The small box (foil box) contains the foils (front and rear).

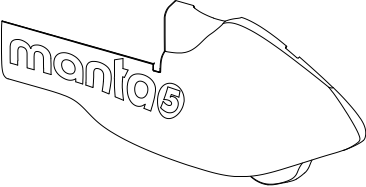
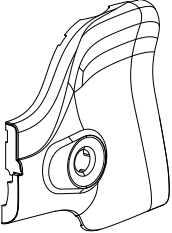
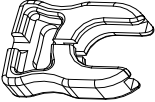



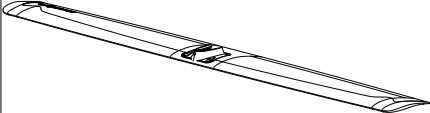
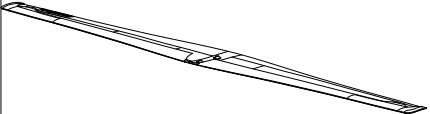
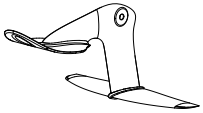
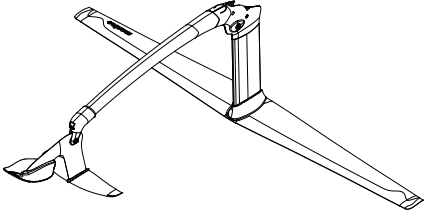
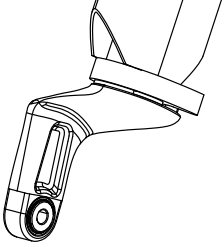
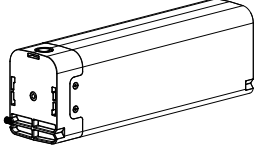
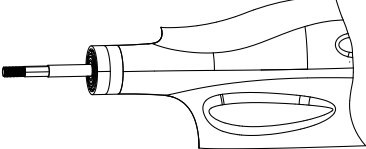
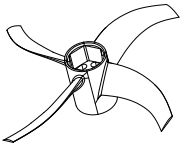
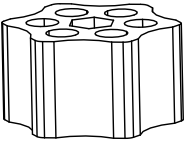
INFORMATION: When removing assembly parts from the bike box, take care to remove the front tiller assembly from the internal layer (situated underneath the propeller, pedals & seat). Do NOT dispose without having opened and removing the front tiller assembly.

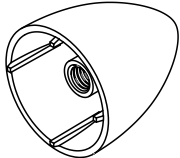

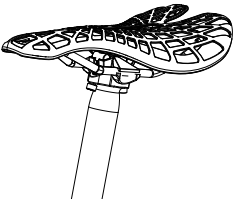
2.3 HYDROFOILER XE-1 PARTS MAP & LIST



Common Parts List:

| IMAGE | COMMON NAME | PART NO |
|---|------------------------|------------------------------|
|  | Front buoyancy modules | BA00001 (RH) BA00002 (LH) |
|  | Rear buoyancy modules | BA00003 (RH) BA00004 (LH) |
|  | Buoyancy clips - short | BP00004 (Black) |
|  | Buoyancy clips - long | BP00003 |

| | | |
|---|-----------------------|---|
|  | Rear foil | WA00004 |
|  | Front foil | WA00003 |
|  | Mini tiller | WP00008, WP00009, WP00010, WP00011, WP00012 |
|  | Front tiller assembly | WA00005 |
|  | Steering fork | SA00001 |
|  | Battery | EA00001 |
|  | Propeller drive shaft | DA00005 |
|  | Propeller | DA00011 |
|  | Hex block | DP00030 |

| | | |
|---|------------------------------------|----------------|
|  | <p>Propeller nose cone</p> | <p>DP00031</p> |
|  | <p>Grintech battery charger</p> | <p>EA00049</p> |
|  | <p>Seat and seat post assembly</p> | <p>HA00016</p> |

PART 3. HYDROFOILER XE-1 PRE-ASSEMBLY

3.3.1 OVERVIEW



CAUTION: The Hydrofoiler XE-1 contains some complex items such as the battery, motor and gearboxes that shall not be assembled/dismantled by the user. This initial assembly manual is not intended as a fully comprehensive: use, assembly, service, maintenance or repair guide. Where events uncover topics not covered in the manuals then please contact Manta5.

CAUTION: Take care when lifting to avoid injury to yourself or damage to the product.

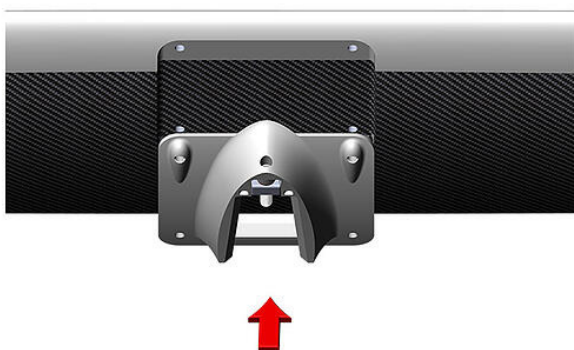
3.3.2 REAR FOIL ASSEMBLY

Your rear foil, and rear foil shoe may not be assembled on arrival. There are 4 bolts that fasten the rear foil shoe to the rear foil that will also be included with your XE-1. **Note that if your rear foil shoe is already assembled when you receive your XE-1, you may skip these steps and move on to 3.3.3 STABILISING YOUR HYDROFOILER XE-1 FOR ASSEMBLY.**



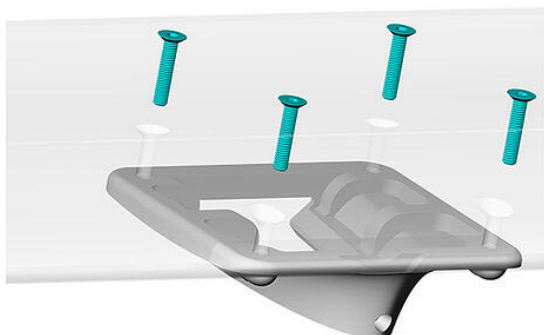
INFORMATION: Requires 4 mm hex key.

- a. Support the Rear Foil with the bottom side up and position the Shoe Assembly against the flat surface, with the holes aligning and rounded end facing forward as shown below.



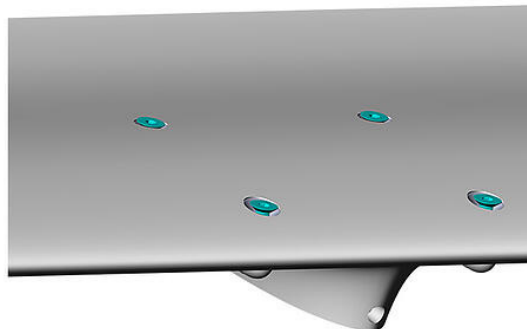
INFORMATION: The holes in the Rear Foil should align with that in the Shoe Assembly and must be clear of any debris or obstruction. The rounded part (leading edge) of the Rear Foil must face forward, and similarly the rounded part (with retained fixing bolt) of the Shoe Assembly must face forward.

- b. Fit the M6 Countersink Head Screws (length 30 mm) to the Shoe Assembly through the Rear Foil.

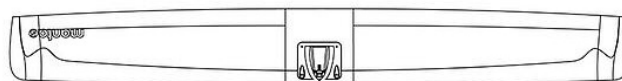


CAUTION: To avoid damage to screw heads, do not use a Hex Drive with rounded end for tasks where access is unrestricted.

- c. Fasten the screws evenly to a Torque value of 5 Nm.

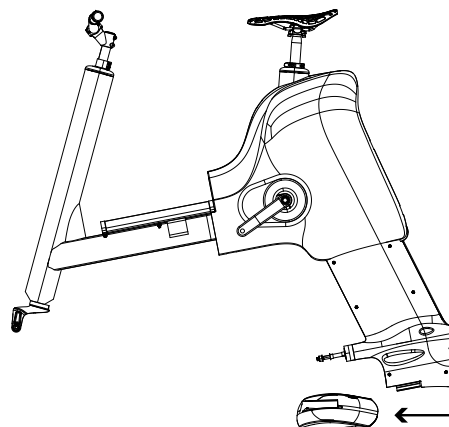


- d. The Rear Foil with Shoe Assembly can now be turned over with the Shoe Assembly on top. Perform one last check to ensure the Rear Foil and Shoe Assembly orientation is correct.



3.3.3 STABILISING YOUR HYDROFOILER XE-1 FOR ASSEMBLY

- a. Remove rear foil from foil box. Ensure that the rear foil is on a clear and stable flat surface.



- b. Lift the Hydrofoil bike out of the box and gently insert into the rear foil shoe. This will provide the stability needed for handlebar and seat post assembly.

3.3.4 ATTACH THE HANDLEBARS & SEAT POST



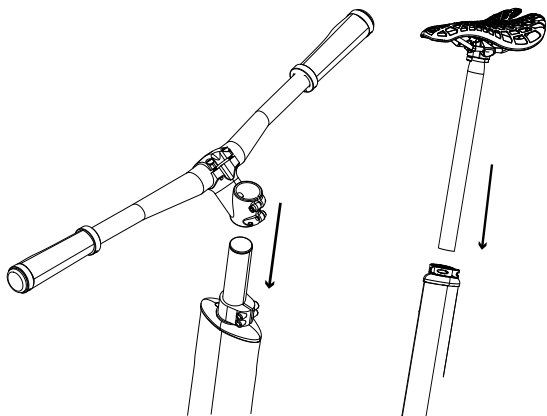
INFORMATION: Requires 4 mm hex key.



TORQUE: Manta5 recommends using a torque wrench to fasten the stem to the steering tube. The specified torque is 3-4 Nm.

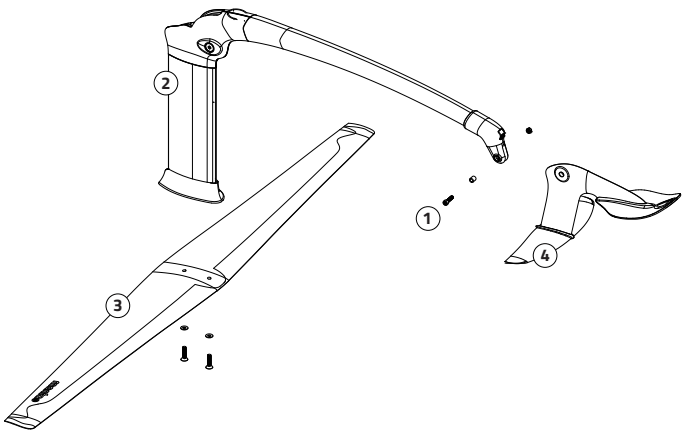


Take caution to not over-tighten the stem to the steering tube.



- c. Slide the handlebars onto the steering tube and align so they are square to the steering fork, tighten to 3 Nm. NOTE: You will be able to adjust the angle of the handlebars more accurately later if needed.
- d. Insert the seat post into the frame tube and secure with the seat-post clamp. You can use a 5 mm hex wrench to adjust the pressure applied by the clamp if necessary.

3.3.6 ASSEMBLE THE FRONT TILLER SECTION



| | |
|---|----------------------------------|
| 1 | Nylock nut, spacer, bolt |
| 2 | Front tiller arm |
| 3 | Front foil (located in foil box) |
| 4 | Mini tiller |



INFORMATION: Requires 4 mm & 5 mm hex key.

INFORMATION (optional): Apply Loctite to the screws prior to installing them. This can be found at your local hardware store.

- f. Put the spacer through the hole in the mini tiller, align the mini tiller section with the front of the tiller arm (the mini pivot junction). Put the nylock nut into the hex side of the mini pivot junction and place the mini tiller into the mini pivot junction (ensuring the spacer lines up with the bolt hole and nut) before pushing the bolt through from the other side. Use the 4 mm hex key to tighten the bolt into the nylock nut.
- g. Once complete, attach the front foil. Turn the front tiller arm upside down, with the tiller arm and mini tiller facing forward. Remove the two screws and washers from the front tiller shoe using the 4 mm hex key. Next align the front foil to the front tiller shoe by having the thicker end of the foil at the front and the thinner edge facing towards yourself (logo facing downward).
- h. Place a washer on each hole in the front foil, and place the screws through the washers and holes, until they are lined up with the threaded holes in the front tiller. Use the 4 mm hex key to tighten the screws until they are firm. Once you have fully assembled the front tiller section to check that the front foil has been correctly assembled, stand behind the now upright tiller and ensure that the Manta5 logo is facing you.

3.3.5 RE-STABILISING THE HYDROFOILER XE-1 FOR ASSEMBLY

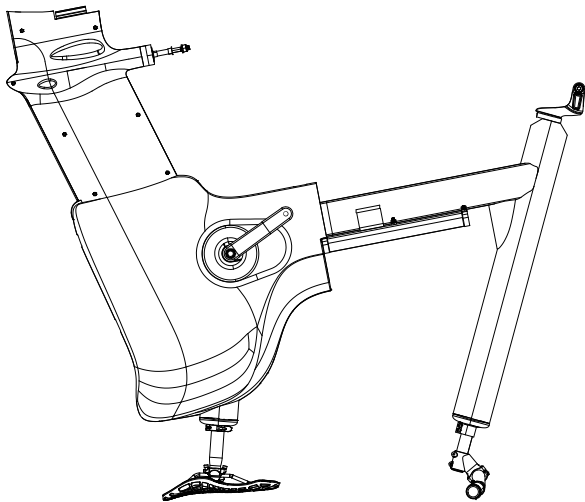


CAUTION: In the upside-down position, the Hydrofoiler XE-1 is top-heavy. Make sure the floor you are placing it on is flat, level and on a non-abrasive surface to avoid any scratching to the hydrofoil bike.

CAUTION: Lifting the Hydrofoiler is easier with two people. Never strain to lift, manoeuvre or handle the items or the Hydrofoiler XE-1.



NOTICE: Take care to place the Hydrofoiler XE-1 in a location where it won't be accidentally knocked over or blown over in the wind.



- e. Carefully lift the bike out of the box and place it upside-down resting on the handlebars and seat, with the handlebars square to the frame for best stability.



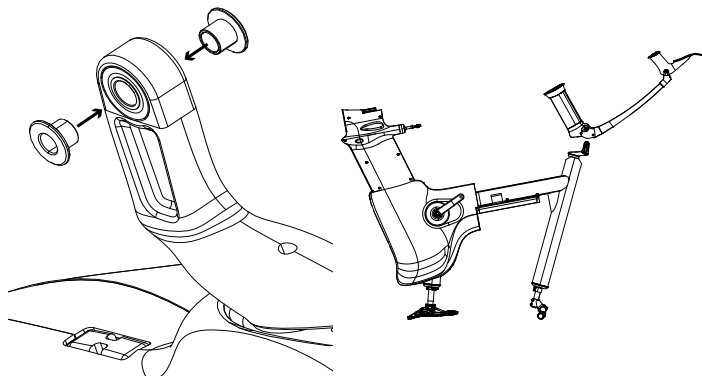


INFORMATION: The following process of attaching the front tiller and rear foil to your Hydrofoiler XE-1 will provide the stable platform you will need in order to attach the front buoyancy modules and pedals, completing the initial assembly. It is important to assemble your Hydrofoiler on a flat, stable and non-abrasive surface in order to complete the next steps.

3.3.7 ATTACH THE FRONT TILLER SECTION



INFORMATION: Requires 5 mm hex key.

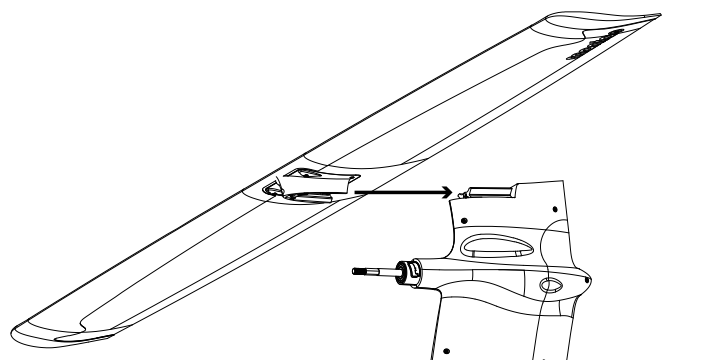


1. Assemble the front tiller to the steering fork assembly and fasten by tightening the countersunk screw into the nylock nut.

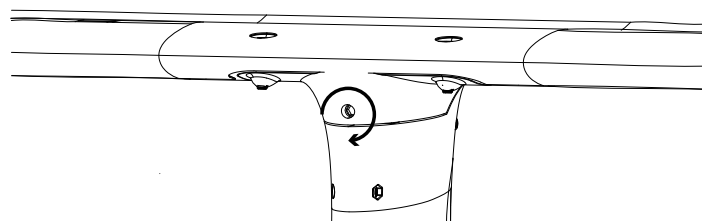
3.3.8 ATTACH THE REAR FOIL



INFORMATION: Requires 6 mm hex key.



- i. Holding the foil horizontal and upside-down, slide the bayonet shoe onto the bayonet upright. NOTE: It will not fully assemble until the captive screw is tightened using the 6 mm hex key.



- j. Tighten the captive cap-screw, which secures the foil to the frame.

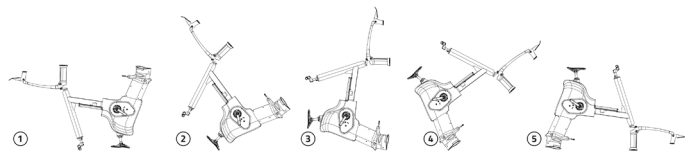
3.3.9 UPRIGHTING THE HYDROFOILER XE-1 CAREFULLY RESTING ON ITS FOILS



NOTICE: The foil does not add much weight, but the combination is now wider and more awkward to handle. When turning over, be careful not to drop the foil on the ground and watch for the front tiller dropping.

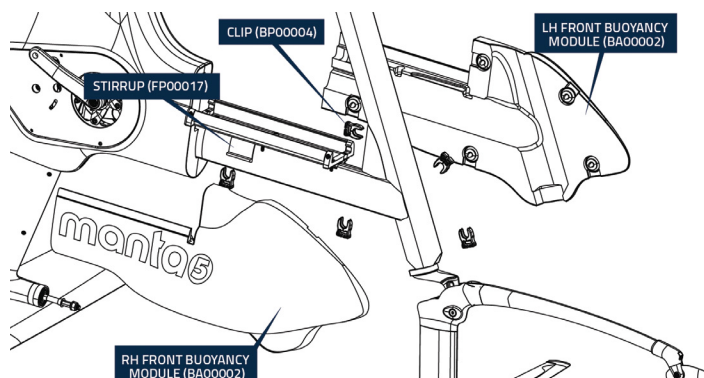


CAUTION: If in doubt, Manta5 recommend that the Hydrofoiler XE-1 is lifted by two people.



- a. Before turning over: ensure there is enough clear space to safely rotate the bike onto.
- b. Stepping from the front of the Hydrofoiler, hold both hand grips and turn over, placing in the upright position resting on its foils. Ensure the front foil is parallel to the ground with the mini-tiller hanging in free-air.
- c. Now that the rear foil is attached and the Hydrofoiler XE-1 is upright, it is more stable and you can continue with the assembly.

3.3.10 ATTACH THE FRONT BUOYANCY MODULES



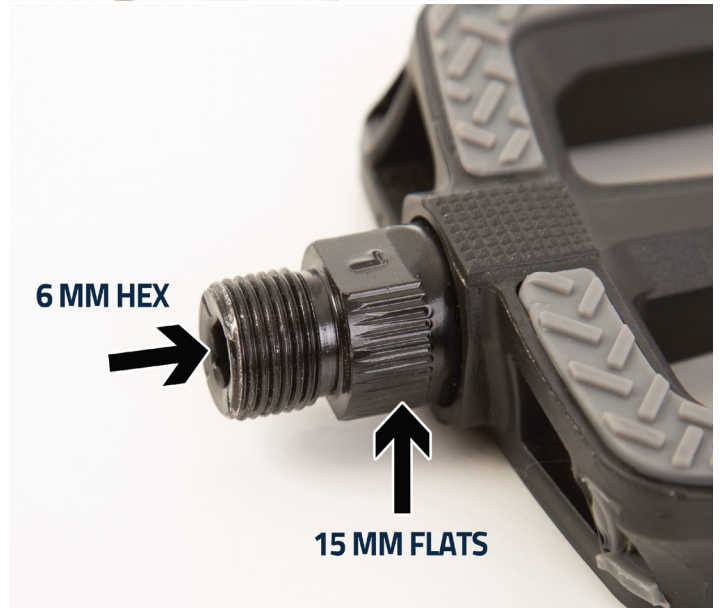
INFORMATION: This step can be easier with two people. If dropped onto a hard surface the buoyancy modules could be damaged. It can be done with one person, but is much easier to have a helping hand.

- a. Slide the stirrup to the forward position.
- b. Make sure you have x5 short buoyancy fastener clips (BP00004) to hand.
- c. Insert the RH Front buoyancy module first by seating the upper edge under the lip of the battery tray. This is best done by pressing the rear edge in first, and then the front edge.





3.3.11 INSTALL THE PEDALS



INFORMATION: Requires either a 6 mm hex key or a 15 mm spanner.



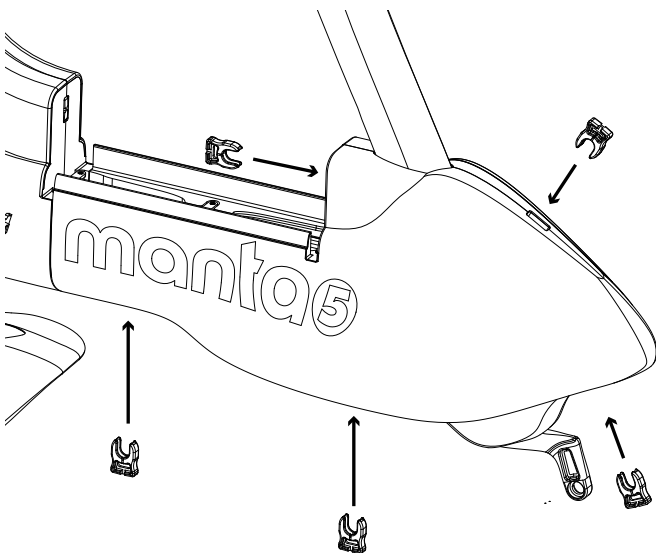
INFORMATION: The pedals have 'L' and 'R' marked on them. Ensure the L and R side pedals are assembled to the correct side. The right-hand pedal has a right-hand thread (screw in clockwise), and the left-hand pedal has a left-hand thread (screw in anti-clockwise).

- Screw in each pedal the correct direction of rotation while holding the corresponding crank arm. You will need a tool that will provide at least 200 mm of leverage to tighten the pedals with sufficient torque (30 Nm.). A 15 mm spanner can be used across the flats of the pedal or a 6 mm hex key can be passed through the hole in the crank arm and used in the pedal hex recess.
- After tightening, check that the pedals spin freely.



CAUTION: Take care to ensure that the pedals are attached tight enough to the cranks, Manta5 recommend a sufficient torque of 30Nm. Failure to ensure this could result in the pedals coming loose during your ride.

- Offer up the left hand front buoyancy module making sure to engage the male bullet shape pin guide fasteners with their female counterparts. This is easiest done by holding the lower edge outward and again engaging the top edge of the buoyancy under the battery tray lip. Push the buoyancy up while gently wiggling it until it locks in place.
- The two buoyancy modules will fit snugly around the shaped sections of the frame.
- While lifting the rearward side of the front buoyancy, reach through the top of the battery tray and slide the stirrup backwards.



- Place the x5 short buoyancy fastener clips (BP00004) into the slots to lock both buoyancy modules in place.
- If you are having difficulty with this, partially loosen the 4 cap screws in the battery tray and re-insert the front buoyancy modules using the same method, once the buoyancy clips have been installed then re-tighten the battery tray screws.

PART 4. BATTERY CONFIGURATION AND PAIRING

4.1 GENERAL BATTERY SAFETY

If the battery is malfunctioning or housing is damaged immediately discontinue use. Move the battery to an open area away from people and property if safe to do so. In all cases contact Manta5 immediately.

When storing batteries in confined quarters e.g. A boat, we recommend use of a Zarges (or equivalent) case.

| CONTACT INFORMATION | |
|--|---|
| EMAIL: SUPPORT@MANTA5.COM EUROPE/UNITED KINGDOM: +44 208 089 7892 UNITED STATES: +1 786 605 0067 NEW ZEALAND: +64 800 114 235 | |
| SIGNS OF A COMPROMISED & POTENTIALLY UNSTABLE BATTERY | ADVISED ACTION |
| UNSTABLE STATES | |
| Battery housing deforming | Do not use. Move the battery into an open area away from people and property if safe to do so. Call local emergency services. |
| Making noises (other than normal beeps) | |
| Unable to turn off | |
| Extremely hot temperature | |
| MALFUNCTIONING | |
| Dropped/damaged cracked housing | Do not use. Put it in a safe, open area and contact Manta5. |
| Loose screws | |
| Connector coming loose | |
| Unable to turn on | |
| Four red consecutive beeps | |

4.2 CHARGING THE BATTERY



NOTICE: The battery should be re-charged once every 2 months when it is not used. Negligence could lead to complete discharge of the battery and would make the warranty on the battery void. Manta5 will send you email reminders.

NOTICE: It is not recommended to have the battery pack connected permanently to the charger.

- Remove the battery from the box and complete the first charging procedure.
- Download the Manta5 App from the App Store/ Google Play and follow the on-screen instructions. Ensure that your battery firmware is updated to the latest version.

4.2.1 BATTERY CHARGING PROCEDURE



WARNING! - RISK OF FIRE: Lithium-ion battery packs can be dangerous if charged incorrectly. Use only the battery charger supplied by Manta5 for charging the Hydrofoiler XE-1 lithium-ion battery.

WARNING! - RISK OF FIRE: Do not use the Manta5 battery charger with any other batteries.

WARNING! - RISK OF FIRE: Never connect the charger to an unregulated generator.

WARNING! - RISK OF FIRE: Never let a battery be charged unattended. The battery and charger can get hot while charging. Do not charge near any sources of heat, humidity or flammable materials and never cover the charger or battery with clothes or other objects.

WARNING! - RISK OF FIRE: The battery will not charge if it is 0°C (32°F) or less and greater than 40°C (104°F).



CAUTION - RISK OF INJURY: Do not allow children to handle the battery or charger.



NOTICE: Charge the battery in a cool, dry, well-ventilated location on a non-flammable surface. Do not charge the battery in wet, high-temperature or high-humidity environments. This means out of direct sunlight, and away from bath/shower-rooms and similar.

NOTICE: If the battery is to be stored, then the battery should be charged to 50% before storage, and stored in a room with a working smoke detector. Use the store charge profile on your charger.



INFORMATION: When you first receive your Hydrofoiler, the battery will be partially charged. To get the best life out of your battery; ensure to charge to full capacity before using for the first time. For charging the battery pack, read and observe the operating instructions of the charger. The battery can be charged to/from any level of charge. Interrupting the charging process does not damage the battery pack.



INFORMATION: Always remove the battery from the bike when charging. Make sure the battery is dry and has cooled down after use.

CHARGING PROCEDURE

- Make sure the battery is powered OFF (There should not be illuminated ring around the switch).
- Connect the battery charger input lead to an AC mains power socket with the power switch off. Do not use an extension cable.
- Connect the battery charger to the battery by pushing the blue connector into the battery socket. Press the plug in firmly until you hear and/or feel the blue lock collar click indicating that the plug is

fully engaged, it clicks into place and the red dot becomes obscured.

- d. Check to ensure the red dot is not visible.



- e. Switch ON the power at the AC mains power socket - or omit this step if you socket does not have a switch.
- f. Turn on the battery and charging will commence. The battery switch LED will illuminate according to the state of charge with a flashing pulse, indicating the battery is charging.
- g. Standard charge takes 4 hours for the battery to be fully charged. Charging is complete when the battery switch LED turns solid green.
- h. To abort charging, hold down the top button until "Abort Charge" is displayed on the screen, then release the button.
- i. Switch the battery off.
- j. Unplug the battery from the charger.
- k. Switch the charger off at the wall.



CHANGING CHARGING PROFILES

To change the charge profile from the recommended default setting given, the user must select the appropriate charge rate. Please note, fast charging in warmer ambient temperatures can cause the battery to overheat and stall the recharge process.

Select the charging profile and hold down the bottom button until the "Hold to Start" text at the bottom of the display changes to "Okay", release the button.

1. Fast Charge - 3hrs
2. Standard Charge (Default) - 4hrs
3. Slow Charge - 5.7 hrs
4. Store Charge (For storing over long periods) - 2hours

| CHARGE MODE | CHARGER DISPLAY |
|---------------------------|-----------------|
| FAST CHARGE | |
| STANDARD CHARGE (DEFAULT) | |
| SLOW CHARGE | |
| STORE CHARGE | |



NOTICE: Refer to storage in Owners Manual PART 4 TRANSPORTATION AND HANDLING

Store the battery in a cool, dry environment as per the battery storage instructions.



4.2.2 INSTALLING THE BATTERY



CAUTION: Take care not to overtighten the grub screws into the battery as this can cause damage and compromise the housing. Some play in the battery is okay.



CAUTION: If you do remove the battery grub screws entirely from the battery tray. If you do remove them, you must re-screw starting from inside the battery tray and screwing them outwards. Doing it from the outside-in can cause threading of the battery tray screw holes.

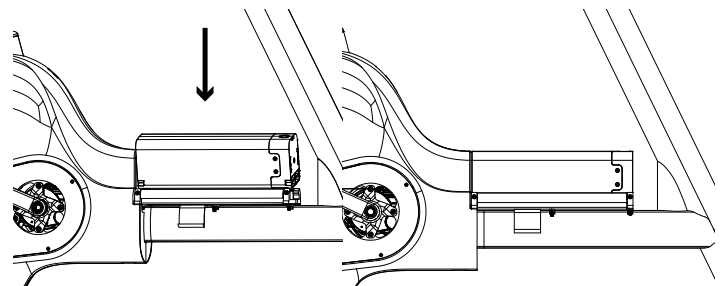


INFORMATION: Requires 4 mm hex key



INFORMATION: Do not leave battery secured into the Hydrofoiler for long periods. The battery should be removed between foiling sessions as well as for long term storage.

- a. Make sure the battery is switched off by checking that there is no illuminated ring around the battery switch. Turn it on then off again if you are unsure.
- b. Install the battery into the Hydrofoiler XE-1. First, ensure that the grub screws are unscrewed enough so that they remain within the battery tray holes but do not impede placing the battery into the tray.
- c. Connect the battery to the hydrofoil bike using the battery connector cable. Ensure that the red dot is not visible, indicating that the cable is correctly 'locked' into the battery.
- d. Rock the battery gently to fit under the battery tray edge. Once secure, tighten the grub screws to hold the battery into place. Do not overtighten the grub screws as this can cause damage to the battery housing and compromise the Lithium-ion battery.



- e. Once battery is secure, turn the battery on.
- f. With the battery on, check the electrical assist is working by turning the pedals again. After your pedals turn 180 degrees the motor should engage, making the cranks easier to rotate, whilst the propeller spins faster.
- g. Turn the battery off.

4.2.3 BATTERY REMOVAL



INFORMATION: Requires 4 mm hex key.

- a. Make sure the battery is switched off by checking there is no illuminated ring around the battery switch. Turn it on then off again if you are unsure.
- b. Remove the battery from your Hydrofoiler. First unfasten the battery by unscrewing the two grub screws far enough not to impede the removal of the battery but leaving the grub screws retained in the battery tray.
- c. Carefully remove the battery pack from the battery tray by tilting the battery towards the two lugs on the left hand side of the tray to disengage with the notches in the battery casing.
- d. Should the battery be plugged in; disconnect the connector by twisting the blue lock collar (anti-clockwise).
- e. Fully remove the battery from the battery tray for charging.

4.3 PAIRING GARMIN® EBIKE REMOTE

4.3.1 DEVICE OVERVIEW



| | |
|---|--|
| 1 | Select to increase the motor assist level. |
| 2 | Select to decrease the assist level. Hold to turn off the motor assist. |
| 3 | Status LED. |

4.3.2 PAIRING THE REMOTE WITH YOUR HYDROFOILER XE-1

The first time you connect the GARMIN® eBike remote to your compatible eBike, you must pair the remote with your XE-1.

- a. Bring the remote within 1 m (3 ft.) of the battery.

NOTE: You must stay 10 m (33 ft.) away from other ANT+™ sensors while pairing.

- b. Turn the battery on.
- c. On the GARMIN® eBike remote, hold two keys simultaneously until the status LED starts alternating green and red, and release the keys.

The remote searches for your Hydrofoiler XE-1. After the remote pairs successfully, the status LED flashes green 6 times. After the remote is paired, it connects to your XE-1 whenever it is in range and turned on. You may need to wake the remote by selecting any key.

4.3.3 GARMIN® EBIKE REMOTE LED STATUS

The green LED flashes one time when you select a key.

| LED ACTIVITY | STATUS |
|---------------------------|---|
| Flashing green | The remote is searching for a paired eBike. |
| Alternating red and green | The remote is attempting to pair with an eBike. |

| | |
|-----------------------------|--|
| 6 rapid green flashes | The remote success fully paired with an eBike. |
| Solid red | Pairing has failed or the connection was lost. |
| 1 red flash every 5 seconds | The remote has a low battery. |
| 2 red flash every 5 seconds | The eBike has a low battery. |
| 3 red flash every 5 seconds | The eBike has an error message. |

PART 5. INSTALL THE PROPELLER



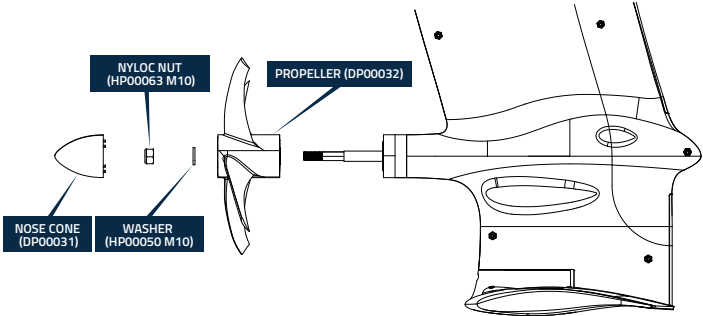
INFORMATION: Requires 17 mm spanner.



CAUTION: Propellers by nature can contain sharp edges or corners. Take care to avoid sharp parts when handling the propeller. If in doubt, use a suitable glove.
CAUTION: Take care to avoid transporting the Hydrofoiler XE-1 with the propeller fitted - unless the bike is at the riding location and has been assembled ready for final transport to the water.



NOTICE: If you are not ready to use the Hydrofoiler, then this step could be addressed at a later date.



1. The propeller will have the 'flanged bushings' and hex block press-fitted in. Please check to ensure that these parts are present before attaching the propeller to the hydrofoil bike.
2. Checking the propeller orientation (hex recess at front), slide it onto the propeller shaft.
3. Slide the hex block onto the shaft and ensure it locates both; inside the hex recess of the propeller, and the hex on the propeller shaft.
4. Install the washer and nut onto the shaft. Take care to hold the propeller of any sharp edges or corners, and use a 17mm spanner to tighten the nut.





5. Gently screw the nose cone on hand tight - take care not to over-tighten.

PART 6. DISSASSEMBLY FOR TRANSPORT

The Hydrofoiler XE-1 is modular to enable easy transportation. When transporting the Hydrofoiler XE-1 there are items that will need to be removed to enable safe and easy transportation. These items are detailed below:

6.3.1 DISCONNECT & REMOVE THE BATTERY

- a. Using a 4 mm hex key undo the 2 grub screws that are securing the battery in the battery tray.
- b. Once loosened, lift the battery out of the tray and disconnect from the Hydrofoiler connector cable.

Place battery down on a soft surface out of direct sunlight or store away. For storage instructions please REFER TO OWNERS MANUAL SECTION 6.2.7 HYDROFOILER XE-1 BATTERY STORAGE.

6.3.2 REMOVE THE PROPELLER



CAUTION - RISK OF INJURY: It is essential that the propeller is removed while the hydrofoil bike is in transit. This reduces the risk of injury or damage to the product. Always handle the propeller with care and stow it safely.

CAUTION - RISK OF INJURY: Propellers can contain sharp edges and vertices. Take care handling the propeller not to touch sharp features.



INFORMATION: Requires 17 mm spanner.

- a. Unscrew by hand (turn anti-clockwise) the nose cone piece from the front of the propeller.
- b. Using a 17 mm spanner remove the nut and washer. Take care to hold the propeller whilst avoiding any sharp edges or corners.
- c. Slide propeller with the hex block off the propeller shaft. Take care not to dislodge the flanged bushings.
- d. Store all propeller assembly parts together to avoid losing any components.

6.3.3 REMOVE FRONT TILLER

The front tiller assembly should always be removed for transport.



INFORMATION: Requires 5 mm hex key.

- a. Remove the front tiller assembly by loosening the countersunk screw from the nylock nut and removing the front tiller from the steering

fork assembly.

6.3.4 REMOVE THE REAR FOIL



INFORMATION: Requires 6 mm hex key.

- a. Using a 6 mm hex key, loosen (turn anti-clockwise) the captive cap-screw in the metal shoe which secures the rear foil to the frame.
- b. The foil and shoe assembly will slide forward and can be removed as the captive screw is loosened.
- c. Place the foil down on a grass surface or surface free of debris that could scratch or damage your foil.

6.3.5 IN-CAR TRANSPORTATION

For in-car transportation please go to HYDROFOILER XE-1 OWNERS MANUAL PART 4. TRANSPORTATION AND HANDLING.



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