

HL Bkdo

User Guide

SE @BKH



Carbon Composites
Since 1995

Please read this manual before heading out for the first time

Using a hydrofoil involves inherent risks and can cause severe injuries or, sometimes fatal, accidents if misused. LP Foils strongly recommends taking foiling lessons before using a hydrofoil for the first time.

Take good care of your equipment to ensure your safety. Wind & weather can be unpredictable and no-one can be in full control of a hydrofoil all the time. Take caution and be aware of your surroundings and conditions.

Don't ride alone.

Protective Equipment:

Wear a helmet and impact vest in case of falls or unexpected hazards.

Wetsuit:

Depending on the water temperature choose your wetsuit accordingly. Be aware that you will use more energy when you are cold, especially if you have to self-rescue.

Respect local laws & regulations for water sports.

Wind & Weather:

Never ride in strong offshore wind. The wind can die at any moment.

Offshore winds make it harder to swim back to shore.

On-shore winds are not recommended for beginners. Any gust could send you onto the sand.

Ride with side or side-on winds when you can easily go downwind and keep a safe position in case of an emergency.

Check your local weather & wind forecast. Be aware of the tide schedule and rip currents in your area. A hydrofoil allows you to ride in very light winds that can quickly die. Do not ride during stormy weather.

Hydrofoils have sharp edges - Risk of injuries

Your board & foil can keep moving after you fall. Beware of impacts. Your board & foil can also drift away from you quickly. The foil changes the weight & size of the board and generates more force opposing the drifting force of the windsurf setup.

2017 LP Foils—Assembly Instructions

Thank you for purchasing the new 2017 LP Foil, we are excited to have you experience this next generation foil.

Your new foil is designed and manufactured in LP's own state-of-the-art facility based in the Columbia River Gorge, USA.

We have been producing high performance carbon composite parts for water sports for over 20 years.

This package contains:

- *1 Strut*
- *1 Front wing*
- *1 Rear wing*
- *1 Fuselage with mounting hardware*
- *Assembly pouch with assembly grease, shims, hex keys, tuttle adjustment kit & user guide*
- *Metal rod*


Assembly videos at www.lpfoils.com - How To Videos

Foils do incur natural wear and tear and breakdown of materials over time. Taking care of your equipment will significantly extend its life. Here are a few steps you can take to extend the life of your foils:

- Practice good technique. Avoid repeatedly striking things such as rocks and coral heads.
- Avoid leaving your foil & board in a hot car or similar hot environment for prolonged periods of time.
- Keep your foil in a bag. LP Foils offers a variety of bags & accessories that help protect foils from heat and sun exposure as well as unexpected dings.
- Rinse all parts of your foil in fresh water after use in salt water.

FUSELAGE – STRUT CONNECTION

Installing the fuselage:

- Hardware arrives pre installed on the fuselage to demonstrate appropriate mounting locations. Inspect and remove ALL hardware prior to assembly. This includes the tail piece. 
- Apply a small amount of assembly grease to fuselage where it will connect to the strut. Insert the narrow end of the fuselage (with the two holes facing up) into the tunnel at the base of the strut (the opening is at the leading edge of the strut).
- Holding onto the strut, tamp down the front of the fuselage onto a hard wooden surface. *Do not use any solid surface such as concrete, stone or pavement.*
- The fuselage is ready to be secured when the holes on the side of the fuselage match up with the holes on the base of the strut.



- Insert the mounting hardware and tighten firmly.

Removing the Fuselage:

- Remove the hardware from the strut and the rear wing.
- Holding onto the strut, tamp down the rear end of the fuselage onto a hard wooden surface until the fuselage moves freely through the tunnel of the strut.

FRONT WING

Installing the front wing:

- Prior to installation, apply a liberal amount of assembly grease to the inside of the front wing as well as the tip of the fuselage where it connects.
- Orient the fuselage and front wing with the mounting holes facing in the same direction.
- Using your body weight, press firmly to initially secure the wing. This is best done when strut is positioned between your legs with rear end of fuselage resting firmly on the floor.
- Use your full body weight to push the wing onto the fuselage with momentum.
- Holding on to the strut, tamp down the whole assembly (onto a wooden surface) until the hole on the front wing lines up with the hole on the fuselage.
- Insert the mounting screw and tighten firmly



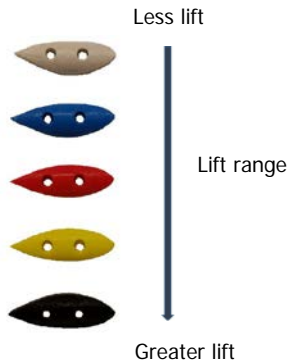
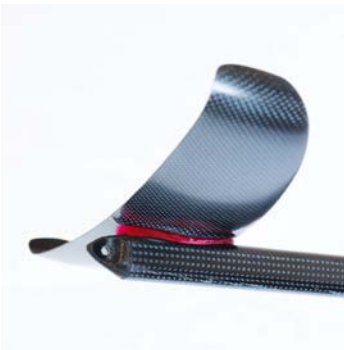
Removing the front wing:

- Remove the rear wing from the fuselage by unscrewing all hard-ware and removing the rear insert from inside the fuselage.
- Remove hardware from fuselage/strut connection.
- Unscrew & remove all hardware on front wing.
- Using a vise grip or power drill fitted onto the end of the rod marked with red tape. Place rod into the rear of fuselage, locating the brass fitting at the front of the fuselage. Continue to turn the rod clock-wise until the front wing is loosened and remove by hand.

REAR WING

Installing the rear wing:

- Place the rear wing onto the fuselage with one of the color coded shims. Use the shim in between the rear wing & fuselage for a balanced ride. To increase lift on the front foil use the larger shim. To decrease the lift and/or increase overall speed use the smaller shim.
- Pre-tighten mounting hardware. Visually inspect the ensure rear wing is properly aligned with front wing before securely tightening.
- Be sure to re-tighten screws on rear wing before going out each time for optimal performance.



Limited One-Year Warranty:

LP Foils guarantees the original owner that our products will be free from defects in materials and craftsmanship for one year from date of purchase. If you experience problems with an LP Foils product, return it to us with the [Warranty Request Form](#) you can download from our website and please provide proof of purchase. Defective foils, components and boards will be replaced or repaired at the discretion of LP Foils. LP Foils shall not be responsible for incidental or consequential damage, unreasonable use or improper care. No action will be taken on a product that is returned with incomplete information.

Non-Warranty Repair Policy:

Damages due to accidents, improper use, wear and tear or other non-warranty issues will be repaired at a reasonable cost plus shipping and handling. Please send your foils, components or board, postage paid and with our [Customer Repair Form](#) that you can download from our website. We will repair it after a quote and your approval including payment. If the product is irreparable we may choose to offer a replacement at a discount. This will be considered on an individual basis.

You may always e-mail us at info@lpcomposites.com with warranty questions or ETA on returns. If you have returned a foil, component or board and have not heard back, please contact us to confirm we have received it. We are happy to talk with you at any time.



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