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## Cabrinha HI: Rise Varied Foil Kit

# Cabrinha 2020 HI: Rise Varied Foil Kit Instruction Manual

Model: HI: Rise Varied Foil Kit

## 1. INTRODUCTION

The Cabrinha 2020 HI: Rise Varied Foil Kit is designed for a wide range of water sports, including foilsurfing, wakefoiling, kitelamining, and tow-in foilsurfing. This high-quality foil system offers a balance of maneuverability and pumping efficiency, making it suitable for both beginners and advanced riders. Its high lift and low-speed characteristics provide an excellent platform for learning and progression in foiling.

## 2. SAFETY INFORMATION

Always prioritize safety when using the Cabrinha HI: Rise foil kit. Foiling involves inherent risks and should only be performed by individuals with appropriate training and experience in water sports. Adhere to the following guidelines:

- **Pre-Use Inspection:** Before each use, thoroughly inspect all components of the foil kit for any signs of damage, cracks, loose connections, or wear. Do not use the foil if any damage is detected.
- **Proper Assembly:** Ensure all parts are correctly assembled and tightened according to the instructions. Loose components can lead to equipment failure and injury.
- **Protective Gear:** Always wear appropriate safety gear, including a helmet, impact vest, and wetsuit, as conditions dictate.
- **Environmental Awareness:** Be aware of your surroundings, including water depth, obstacles, other water users, and weather conditions. Avoid shallow water and crowded areas.
- **Skill Level:** Only attempt maneuvers within your skill level. Progress gradually and consider professional instruction.
- **Sharp Edges:** Foil wings can have sharp edges. Handle with care to avoid cuts.
- **Emergency Plan:** Have an emergency plan in place and inform others of your activity.

## 3. COMPONENTS

The Cabrinha HI: Rise Varied Foil Kit typically includes the following main components:

- **Front Wing:** The primary lifting surface. Features a Paulownia wood core and volcanic basalt fiber

construction.

- **Rear Wing (Stabilizer):** Provides stability and control. Made from a solid carbon glass composite.
- **Mast:** Connects the foil to the board. Available in various sizes, including a 65 cm mast.
- **Fuselage:** Connects the front wing, rear wing, and mast. The WIDENOSE fuselage design enhances wing stability and hydrodynamics.
- **Hardware:** Screws and bolts for assembly.



*Image 1: Overview of the Cabrinha 2020 HI: Rise Varied Foil Kit, showing the front wing, rear wing, mast, and fuselage.*

## 4. SETUP AND ASSEMBLY

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Follow these steps to assemble your Cabrinha HI: Rise foil kit. Ensure you have the necessary tools, typically hex keys, for tightening the screws.

1. **Attach Front Wing to Fuselage:** Align the front wing with the designated slot on the fuselage. Secure it using the provided screws. Tighten firmly but do not overtighten to avoid stripping threads or damaging components.
2. **Attach Rear Wing to Fuselage:** Slide the rear wing into its slot at the back of the fuselage. Secure it with the appropriate screws. The rear wing is adjustable forward and backward for tuning turning characteristics; ensure it is set to your preferred position before tightening.
3. **Attach Mast to Fuselage:** Connect the mast to the top of the fuselage. Ensure the connection is

flush and secure. Use the provided screws to fasten the mast firmly to the fuselage.

4. **Attach Assembled Foil to Board (if applicable):** If your board has a foil track system, slide the mast plate into the tracks and position it as desired. Secure the mast plate to the board using the appropriate bolts and washers. Ensure the connection is very tight to prevent movement during use.
5. **Final Check:** Before entering the water, perform a final visual and tactile inspection of all connections to ensure they are secure and there is no wobble or play in any part of the assembly.

## 5. OPERATING GUIDELINES

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The Cabrinha HI: Rise foil is designed for versatility across various foiling disciplines. Its moderate aspect ratio and efficient profile provide a good balance of lift and drive.

- **Initial Lift:** The high lift characteristics of this foil make it easier to get up on the foil at lower speeds, which is beneficial for beginners.
- **Pumping Efficiency:** The design allows for effective pumping, generating forward momentum with minimal effort.
- **Turning Characteristics:** The adjustable rear wing allows you to fine-tune the turning characteristics, offering either looser or tighter turns based on your preference and riding style. The turned-up wingtips are designed to break the surface without cavitation.
- **Versatility:** This foil is adaptable for foilsurfing, wakefoiling, kitesurfing, and SUP foiling. Experiment to find the optimal setup and technique for your chosen discipline.

## 6. MAINTENANCE

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Proper maintenance will extend the lifespan of your Cabrinha HI: Rise foil kit and ensure optimal performance.

- **Rinse After Use:** After each use in saltwater, thoroughly rinse all components with fresh water to remove salt, sand, and debris.
- **Dry Thoroughly:** Allow all parts to air dry completely before disassembling or storing to prevent corrosion and mildew.
- **Inspect Regularly:** Periodically inspect all components for signs of wear, cracks, delamination, or damage. Pay close attention to the leading and trailing edges of the wings, and the mast and fuselage connections.
- **Hardware Care:** Check screws and bolts for corrosion. Apply a marine-grade anti-seize compound to threads if recommended by the manufacturer to prevent seizing.
- **Storage:** Store the foil kit in a cool, dry place, away from direct sunlight and extreme temperatures. Use protective bags or covers to prevent scratches and dings during transport and storage.

## 7. TROUBLESHOOTING

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If you encounter issues with your Cabrinha HI: Rise foil, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Excessive Vibration/Wobble	Loose connections; damaged components; debris on wings.	Check and tighten all screws (mast to fuselage, wings to fuselage, foil to board). Inspect wings and mast for damage. Clean any debris from wing surfaces.

Problem	Possible Cause	Solution
Difficulty Lifting/Maintaining Lift	Insufficient speed; incorrect body position; rear wing adjustment.	Increase speed. Adjust body weight distribution. Experiment with rear wing position (moving it slightly forward can increase lift).
Unstable Ride	Incorrect mast position on board; loose connections; rider technique.	Adjust mast position in the board tracks (typically moving it forward increases stability). Ensure all connections are tight. Practice consistent pressure and balance.
Cavitation (loss of lift due to air bubbles)	Wingtips breaking surface; sharp turns at high speed; damaged wing surface.	Adjust riding height to keep wings submerged. Smooth out turns. Inspect wing surfaces for damage or rough spots.

## 8. SPECIFICATIONS

Key specifications for the Cabrinha 2020 HI: Rise Varied Foil Kit:

- **Model Name:** HI: Rise Varied Foil Kit
- **Mast Length:** 65 cm (standard, other sizes may be available)
- **Front Wing Construction:** Paulownia wood core with volcanic basalt fiber construction
- **Rear Wing Construction:** Solid carbon glass composite
- **Fuselage Design:** WIDENOSE for improved stability and hydrodynamics
- **Approximate Product Dimensions (packaged):** 19.99 x 89.99 x 19.99 cm
- **Approximate Product Weight:** 100 g (*Note: This weight is from product data and may refer to packaging or a partial component. Actual assembled foil weight will be higher.*)
- **Manufacturer Reference:** 889841193535
- **ASIN:** B07T4P2MJS

## 9. WARRANTY AND SUPPORT

For information regarding warranty coverage, claims, or technical support for your Cabrinha HI: Rise Varied Foil Kit, please refer to the official Cabrinha website or contact your authorized Cabrinha dealer. Keep your proof of purchase for any warranty-related inquiries.

Official Cabrinha Website: [www.cabrinhakites.com](http://www.cabrinhakites.com)

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This manual is for informational purposes only. Specifications are subject to change without notice.

## Related Documents - HI: Rise Varied Foil Kit



### [Manuel Utilisateur Cabrinha 2020 Foil](#)

Manuel utilisateur complet pour le foil Cabrinha 2020, incluant les instructions d'installation du kit foil, de la planche et des accessoires, ainsi que les précautions d'entretien. Ce guide détaille les procédures pour les modèles Hi Rise Lift, Speed, Carve et Varial, et les planches Double Agent et X-Breed.



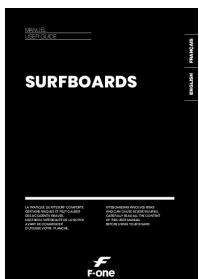
### [Cabrinha :02 Wing User Manual - Safety, Setup, and Repair Guide](#)

Comprehensive user manual for the Cabrinha :02 Wing, covering safety warnings, recommended practices, setup instructions, inflation, care, repairs, and a glossary of terms for wing surfing.



### [Cabrinha 01 Fall Fusion Foil User Manual: Assembly & Care](#)

Comprehensive user manual for the Cabrinha 01 Fall Fusion Foil, detailing assembly instructions for Fusion Hybrid, Carbon, and DA models, along with essential care and safety guidelines for kiteboarding.



### [F-ONE Surfboard User Guide: Safety, Assembly, and Maintenance](#)

Comprehensive user manual for F-ONE surfboards, covering essential safety rules, assembly instructions for fins and footstraps, foil assemblage, care, maintenance, and warranty information.



### [SOLFEX Underwood Heater Installation Manual & Guide](#)

Comprehensive installation manual for the SOLFEX Underwood Heater system, covering design, selection, installation, commissioning, and troubleshooting for efficient underfloor heating. Includes product specifications and warranty information.



### [How to Make an Elegant Christmas Card with Heat Activated Foil | Couture Creations](#)

A step-by-step guide from Couture Creations on creating a beautiful Christmas card using heat activated foil techniques. Includes materials, equipment, and crafting instructions.

