



Hobie® Mirage®  
iEclipse Manual



In 1950, Hobie's dream was born in his parents' garage when he decided to apply his love of woodworking to the sport of surfing. Dad backed out the Buick... Hobie carved out his very first surfboard...

Hobie's business of fun had begun.

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Look for this icon. Online video is available at  
[www.hobie.com/support/products](http://www.hobie.com/support/products)

Please read through the instruction manual before using this product

1. Mirage iEclipse Board

2. Handlebar

3. MirageDrive

4. Steering System

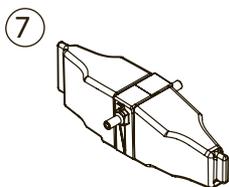
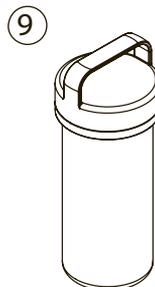
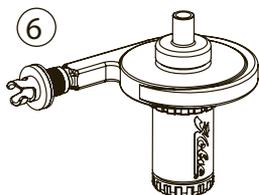
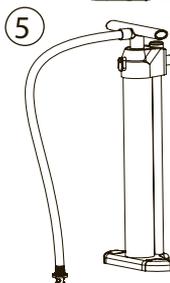
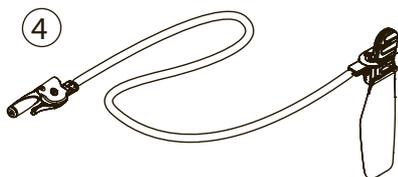
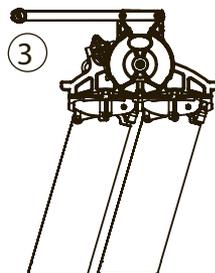
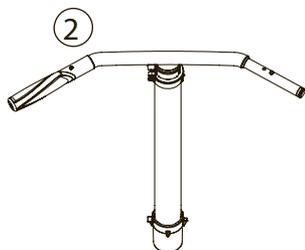
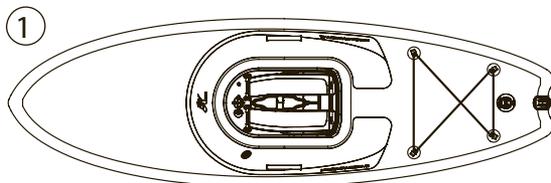
5. Hand Pump

6. Electric Pump

7. Cassette Plug

8. Storage Bag

9. Repair Kit



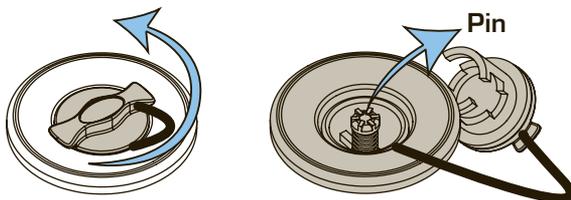
## Inflating the iEclipse

①

Locate the air valve(s) on your Eclipse near the stern.

Unscrew the cover of the valve and make sure the pin is "up".

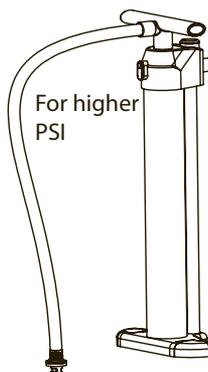
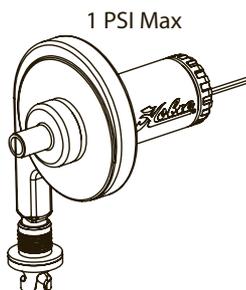
If it does not spring up it is in the "down" position. To unlock the pin from the "down" position push down on the pin and turn it counterclockwise until it pops up.



②

Your Eclipse comes with two pumps.

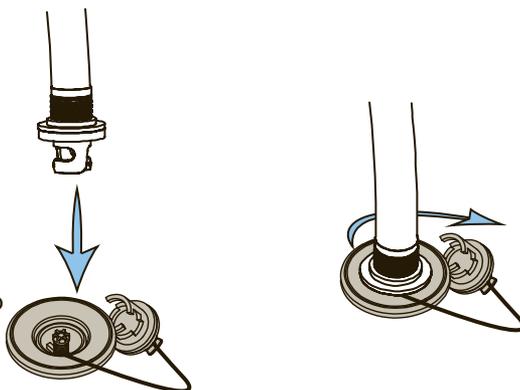
The electric pump will inflate your Eclipse to 1 PSI Max. This is NOT enough pressure to use the Eclipse.



For higher pressure, use the manual hand pump.

③

Line up the nozzle of the pump with the valve. Make sure the pin is in the "up" position. Plug in the nozzle and 1/4 twist to lock the nozzle to the valve. Begin inflating.



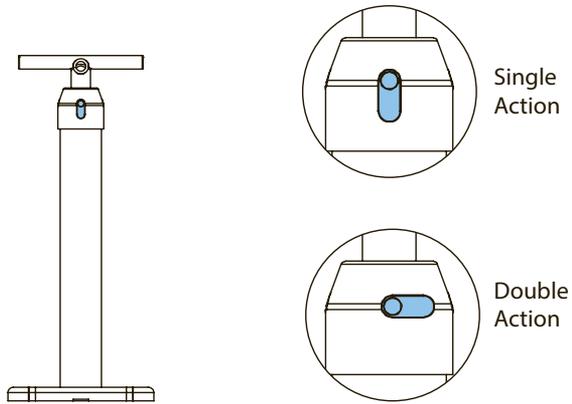
## Pump

④

Adjust the lever on the back side of the pump for more efficient pumping.

Double action is for more air volume and lower pressure.

Single action is for less air volume and higher pressure.



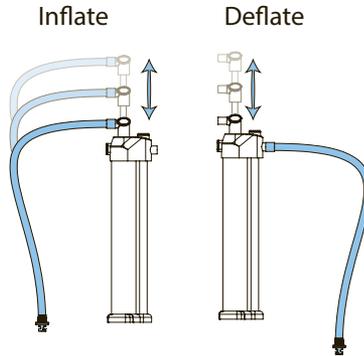
## Deflating the iEclipse

⑤

Switch the hose on the pump to the connection on the body of the pump.

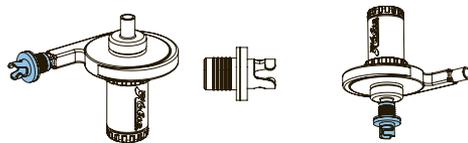
Switch the nozzle to the top of the electric pump.

Connect the nozzle to the valve on the Eclipse to deflate.



Inflate

Deflate



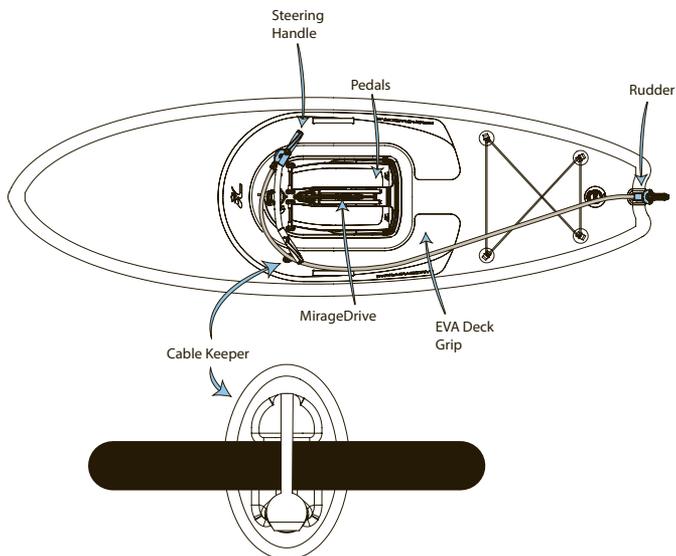
## Pressure Warning

⑥

It is important to never inflate your Eclipse past the recommended pressure. Pressure recommendations are found around the air valve.



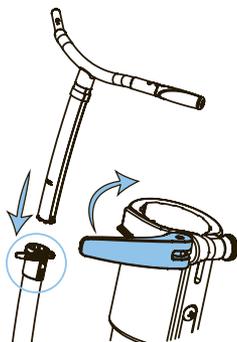
## iEclipse Key



## Handlebar Assembly

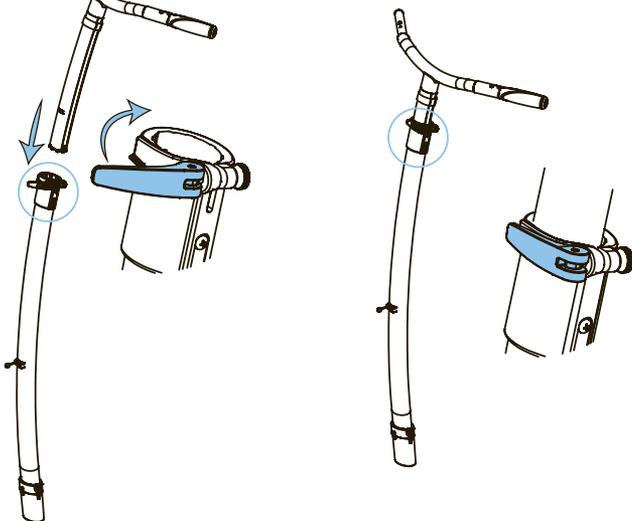
1

Make sure the quick release lock is open. Slide the handlebar into the post.



1

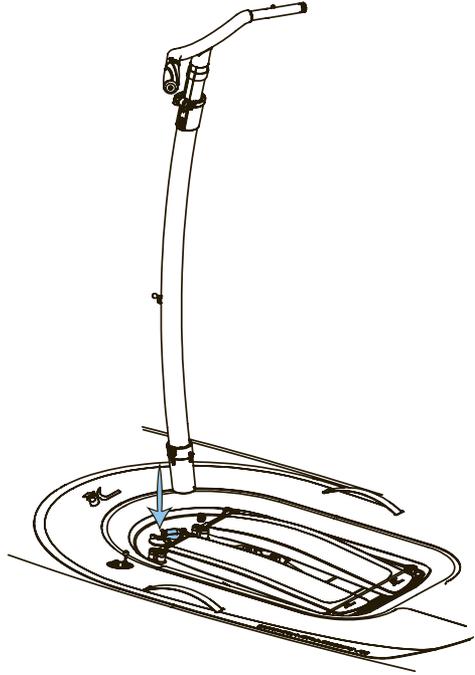
Close the quick release to lock the handlebar to the post. Open the quick release and adjust up or down as needed.



## Installing the Handlebar

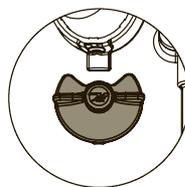
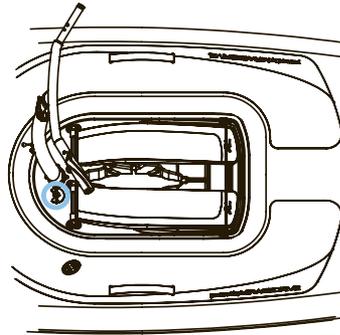
1

Plug in Handlebar.

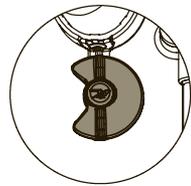


2

Lock by turning the knob either direction located on the handlebar receiver.



Unlocked

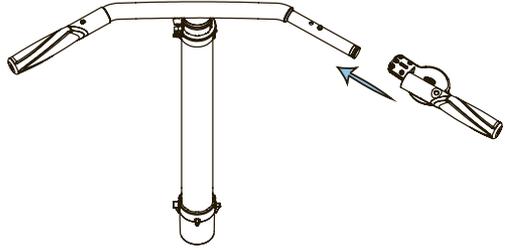


Locked

## Installing the Steering

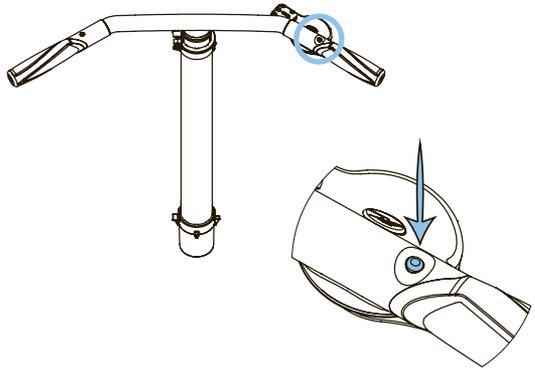
①

Slide the steering handle onto the handlebar over the locking button until it clicks into place.



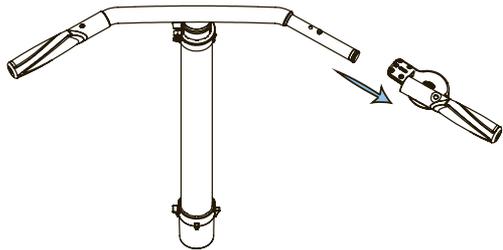
②

The locking button will secure the steering handle to the handlebar.

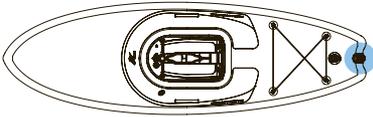


③

To remove the steering handle, push down on the locking button and slide the steering handle off the handlebar.

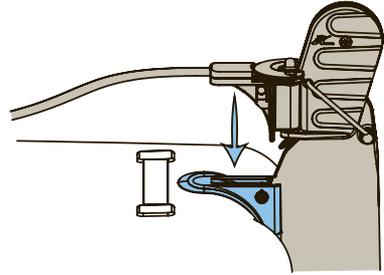


## Installing the Rudder



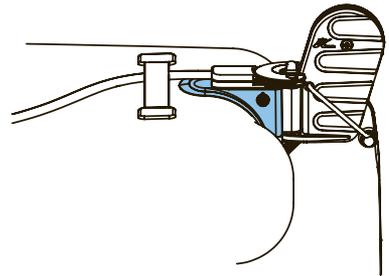
①

Align the track on the rudder system with the track on the gudgeon that is mounted to the back of the iEclipse.



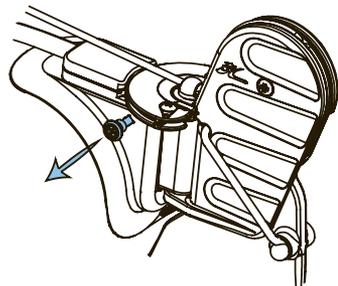
②

Slide the rudder track into the gudgeon track.

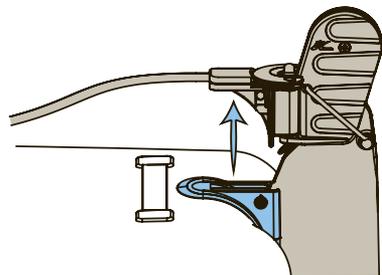


③

To remove the rudder pull the red locking knob out while pulling the rudder up.



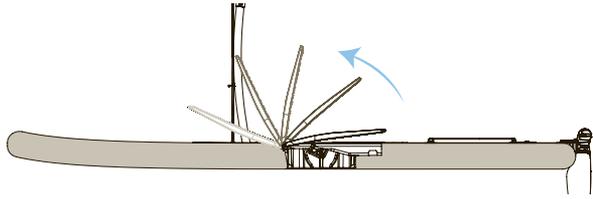
Your rudder pin is designed to break under high loads. An extra pin is stored under the right pedal.



## Installing the MirageDrive

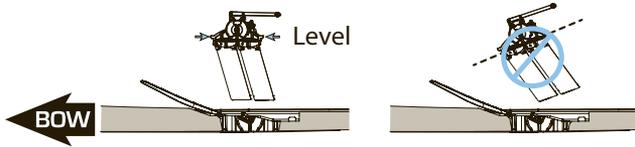
①

Flip pedals forward.



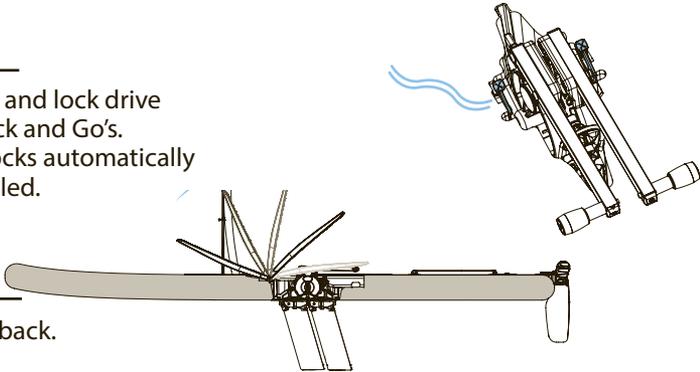
②

Lower drive straight down making sure the spine is level.



③

Press down and lock drive into the Click and Go's. The drive locks automatically when installed.



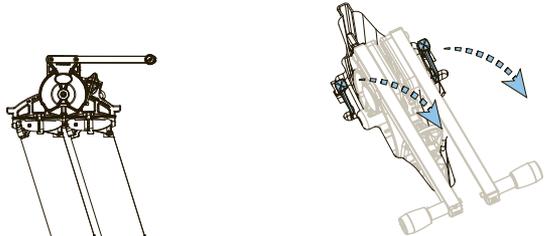
④

Flip pedals back.

## Remove the MirageDrive

①

Pull back each Click and Go lever.

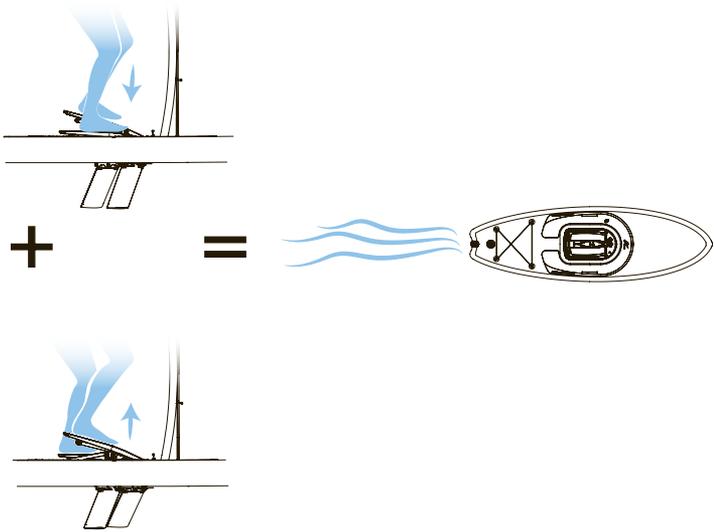


②

Lift drive straight up.



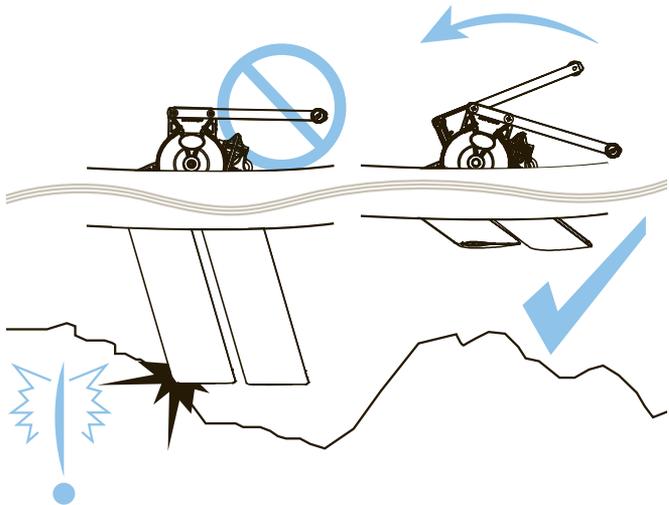
### Mirage Driver Operation



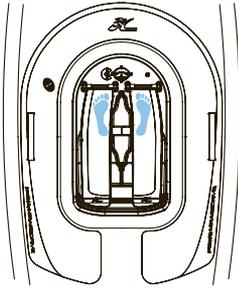
### Shallow Water and Beaching

①

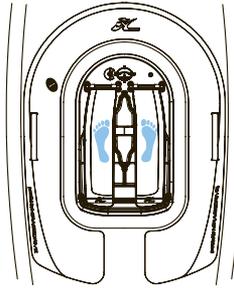
In shallow water push one pedal all the way down and continue doing small steps to keep the fins moving close to the board.



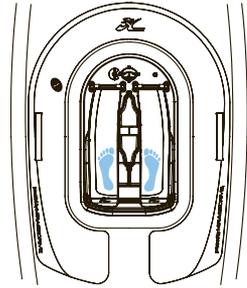
## Pedal Positioning



High Pedal  
Resistance



Mid Pedal  
Resistance

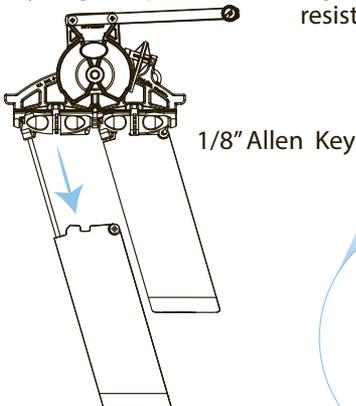


Low Pedal  
Resistance

## Adding/Decreasing Fin Resistance

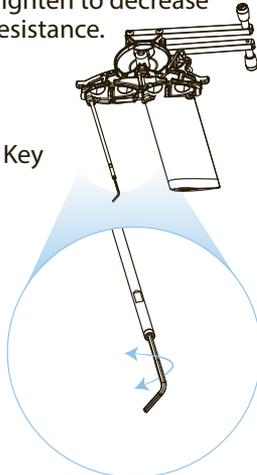
①

Take the fin off from the mast on your MirageDrive by removing the small key ring and pin.



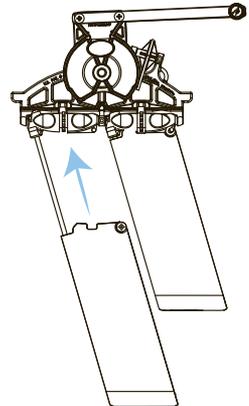
②

Loosen the screw on the bottom of the mast to increase resistance on the fin. Tighten to decrease resistance.



③

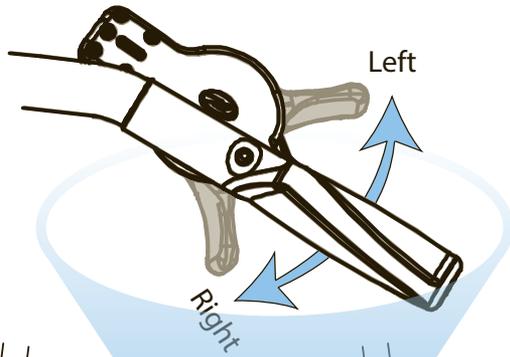
Put the fin back on the MirageDrive and secure with the pin and key ring.



## Steering

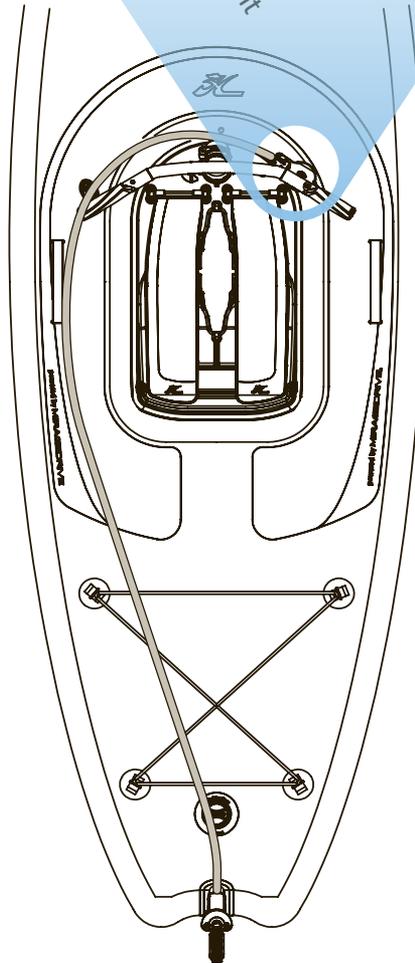
①

Steering is controlled by the knobs on the right handle.

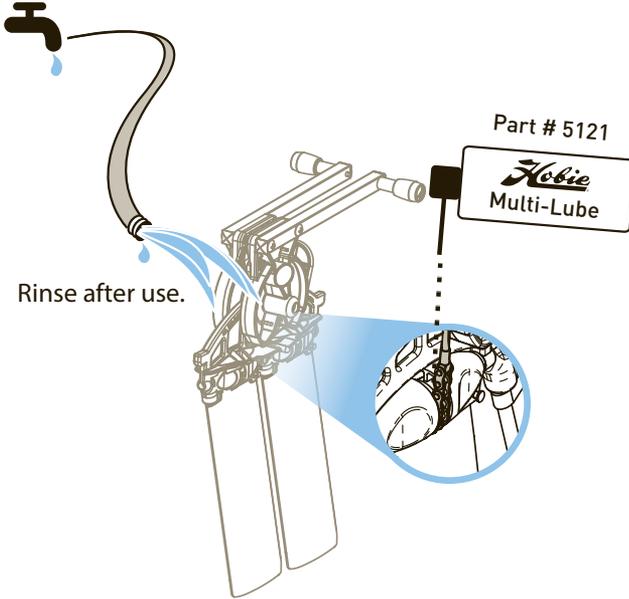


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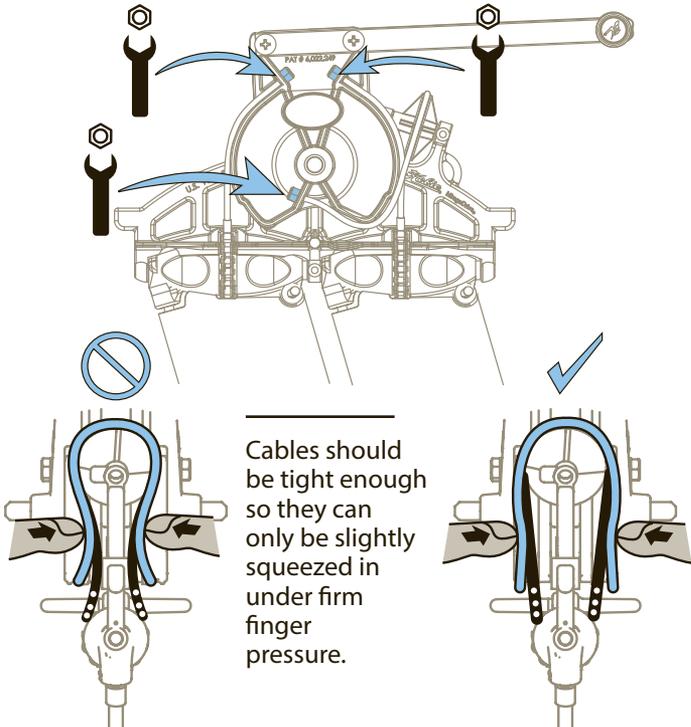
Use your thumb and index finger to move left and right.



## MirageDrive Regular Maintenance



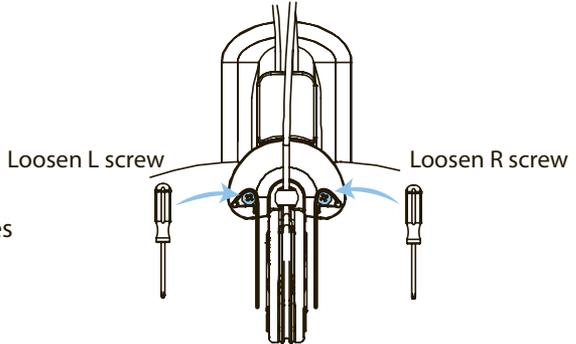
## Check Cable Tension



## Rudder Tuning

①

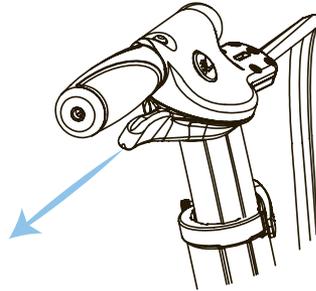
Loosen the left and right screws so the steering cables are free to move



②

Align steering handle pointing straight

Align the steering handle straight.  
Tip: Fully tighten the screw under the steering handle to keep the handle from turning during the adjustment.



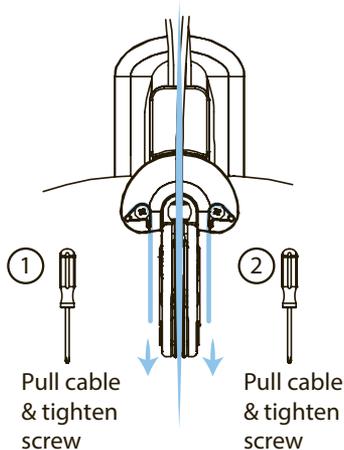
③

Align rudder pointing straight

Starting with the left or right side, feed the cable under the screw head on the rudder drum. Pull the cable so there is no slack until the cable is taut. Tighten the screw to lock the cable.

Repeat for opposite side.

Loosen the screw under the steering handle 1/4 turn.



## Folding

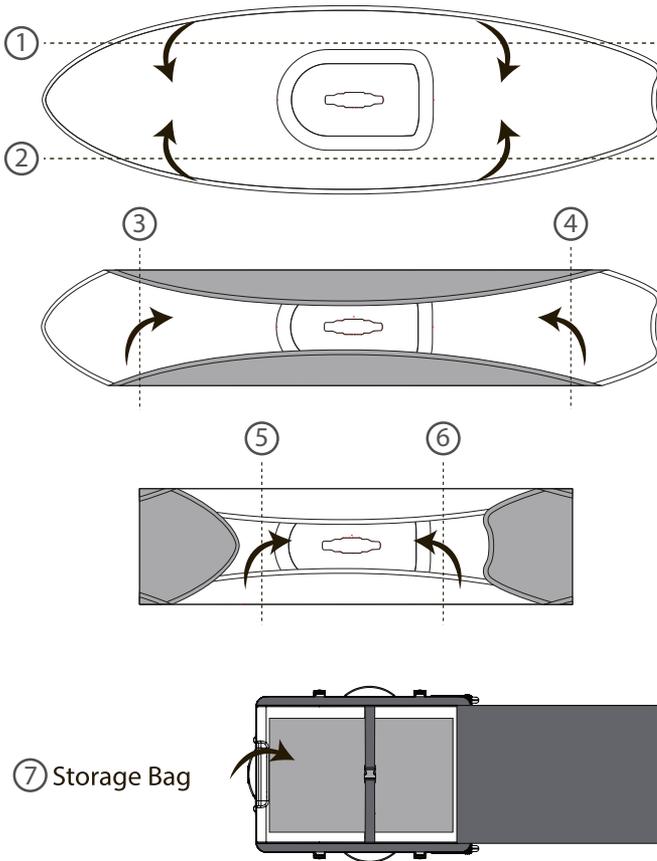
**Note:**

Folding directions are also featured on the inside cover of the storage bag.

MIRAGE®

**iEclipse 11**

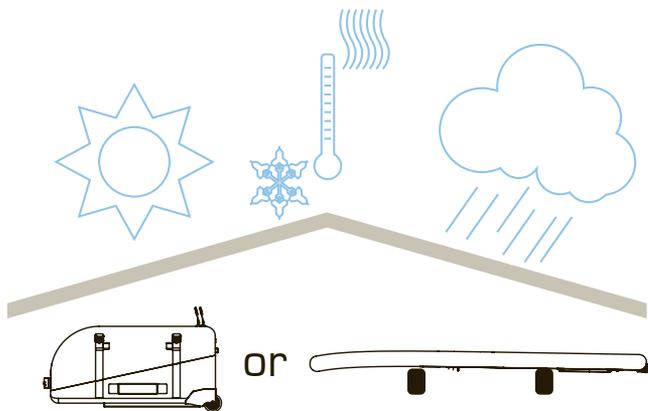
Note: For best results folding, pump out all air from kayak.



## Storage

①

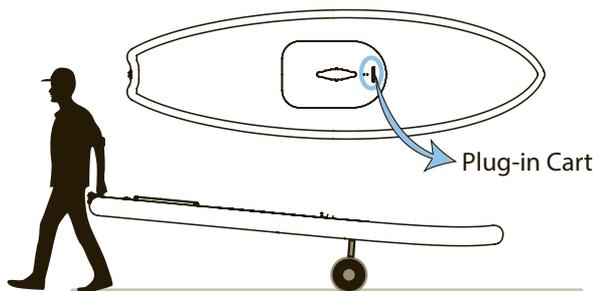
Store Mirage Eclipse in a dry environment out of the elements.



## Plug-In cart

①

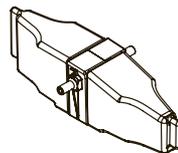
There are two ports molded into the Mirage Well on the underside of the board.



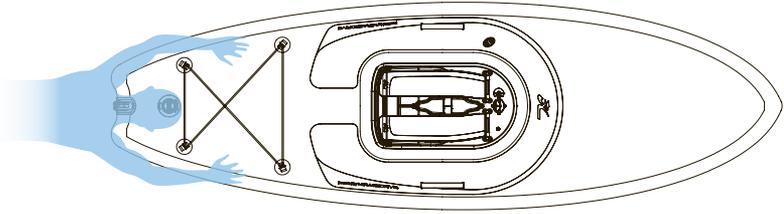
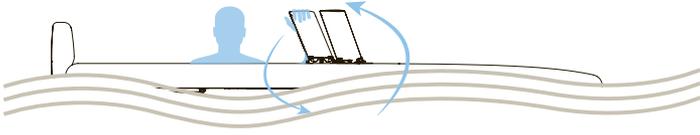
The cart should be used for transportation purposes only and not as a storage platform.

## Mirage Cassette Plug

Your Mirage iEclipse is shipped with a Mirage Cassette Plug. The plug is provided as standard equipment in the Mirage Eclipse package. Insert the plug into the Mirage well when the MirageDrive is removed to provide added safety and to “fair” the bottom of the hull when paddling as a SUP.



## Flipping the Board



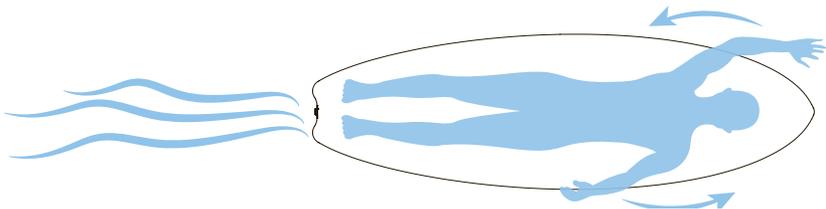
## Getting into your Eclipse

If you fall off, stay with the Eclipse. You should be properly wearing a life jacket/PFD which will keep you afloat. If the Eclipse is upside-down, it will need to be turned over. To do this, reach across the bottom of the Eclipse and grab the Hobie MirageDrive and pull the Eclipse upright. Position yourself at the back and pull yourself up from the back of the Eclipse.

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## Paddling

If a failure in the MirageDrive occurs and you are without a paddle, remove handlebar and hand paddle board.



## Checklist

Please read through the owner's information package prior to using this product.

The user of this product acknowledges both an understanding and assumption of risk involved in paddle/pedal sports. Consult your physician about physical activity.

### Always:

- Wear a Coast Guard approved personal flotation device.
- Always file a float plan: Let someone know where you are going and when you will return.
- Dress appropriately for weather conditions. Cold water and/or weather can result in hypothermia. Apply sunscreen and other sun protective clothing.
- Check your equipment prior to each use for signs of wear or failure.
- Tie a leash to your paddle and MirageDrive.
- Scout unfamiliar waters prior to launching.
- Be aware of river water levels, tidal changes, wind conditions, obstacles in and above the water and weather changes.
- Always wear a leash.

### Never:

- Never go in flooded and/or fast moving water conditions.
- This product is not a surfboard and not intended to ride waves. Riding waves on this product could result in injury.
- Never exceed your ability and be aware of your limitations.
- Never use alcohol or mind-altering drugs prior to or while using this product.

It is very important that you complete and send us your Warranty Registration Card as soon as possible.

This information enables Hobie Cat Company to contact you should there be important product information that needs to be shared with you. Please complete the Warranty Registration Card in your Owner's Packet, or take advantage of our online form at:

<http://www.hobie.com/support/warranty-registration/>

or

Scan this QR code with your smart phone



If you have a question or issue with your Hobie product, please see your Authorized Hobie Dealer. They will assess the problem, assist with a repair and file a warranty claim with Hobie Cat Company if needed. All warranty claims must go through your Authorized Hobie Kayak Dealer. The Warranty Registration Card and Warranty Policies are included with each model in the Owner's Packet. Type in the address below to go to our dealer finder web page.

All specs, colors, graphics and features are subject to change without notice. Please refer to the website for complete details.

<http://www.hobie.com/support/dealers/search/>

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Get Out There!



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Holding Company

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