



Hobie® Mirage®  
Passport® 10.5 R/12.0 R



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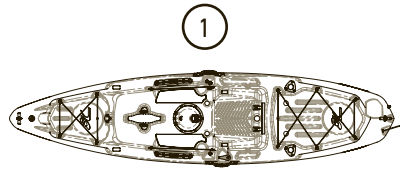
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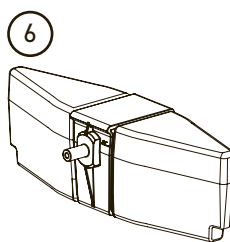
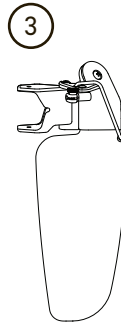
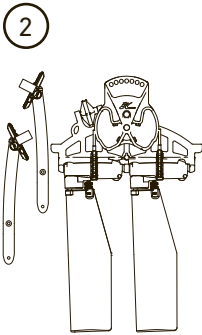
Look for this icon. Online video is available at  
[www.hobie.com/support](http://www.hobie.com/support)

Please read through the instruction manual before using this product

1. Passport 10.5 R/12.0 R Hull
2. MirageDrive GT Kick-Up
3. Rudder Assembly (mounting hardware in owners packet)
4. Paddle
5. Seat
6. Cassette Plug



[Passport 12.0 R Shown Here](#)



Items not shown to scale

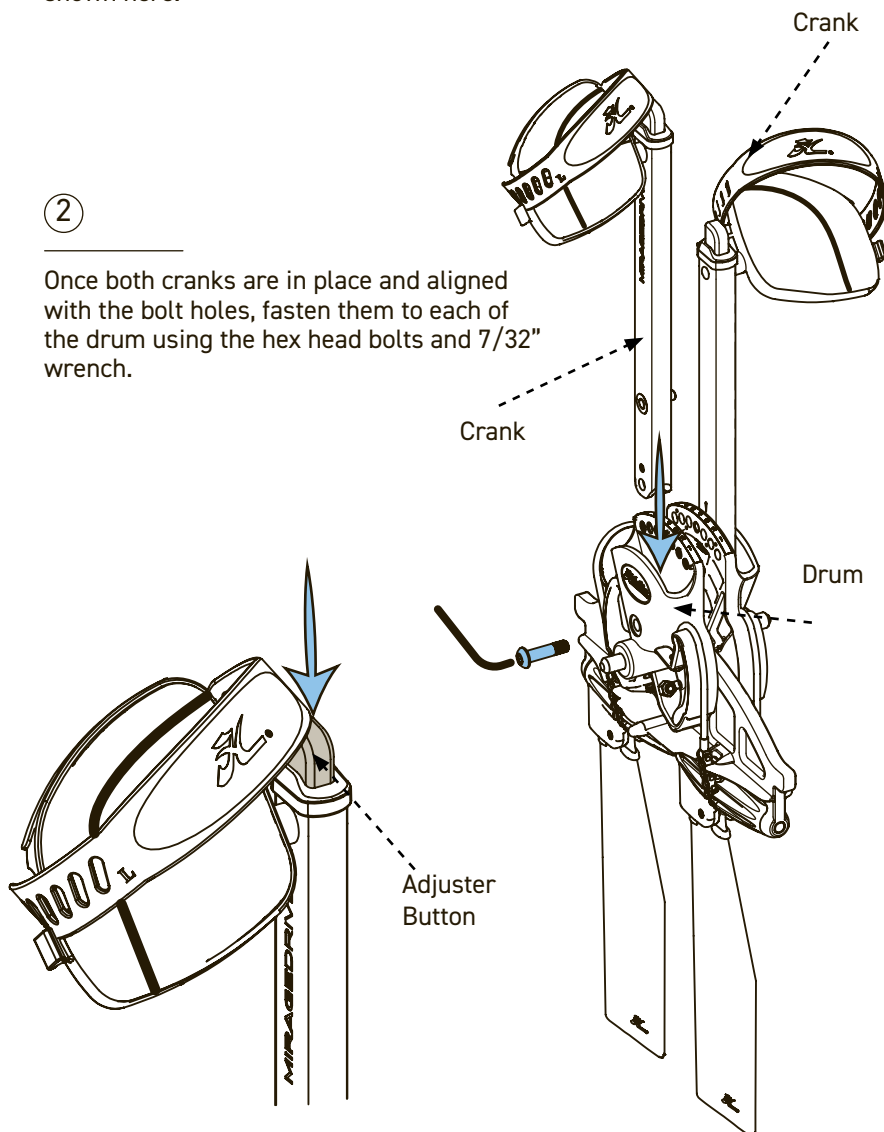
## MirageDrive Cranks Installation

①

Insert cranks into drums while depressing button at top. Make sure you are putting the Left and Right pedal on the correct side as shown here.

②

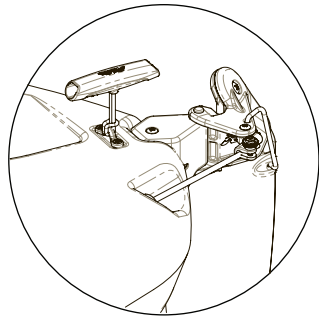
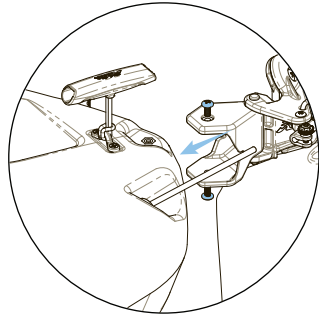
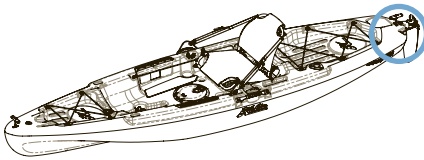
Once both cranks are in place and aligned with the bolt holes, fasten them to each of the drum using the hex head bolts and 7/32" wrench.



## Rudder Installation

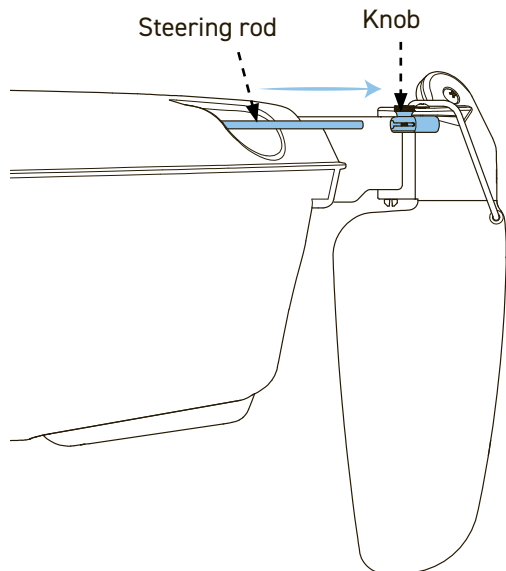
①

Fasten the rudder to the inserts in the recesses at the back end of the kayak using the two screws in the owners envelope.



②

Insert the steering rod into the rudder pivot and secure by tightening the adjustment knob. To adjust the rudder trim, point the steering handle straight and tighten the knob over the rod with the rudder in the centered position.

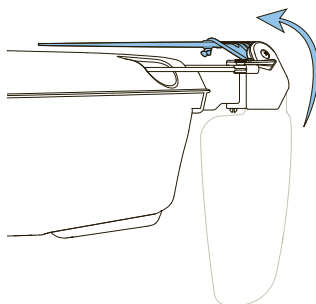


## Rudder Operation

### Up/ Down Control

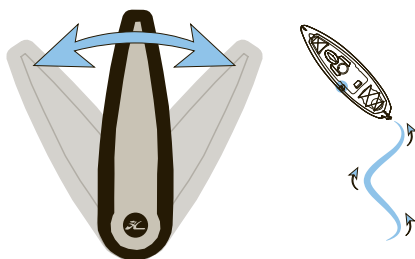
Flip the rudder down by hand before leaving the shore/dock.

For storage, flip it up so that it folds flat on the deck.



### Steering

The steering handle is located in the middle on the left/port side of the kayak.

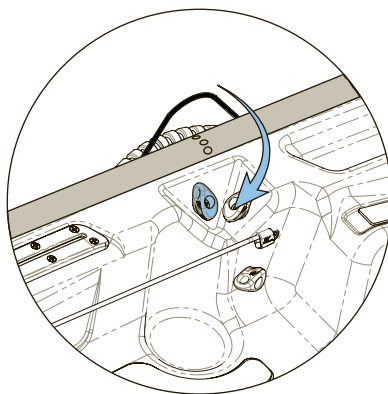


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## Paddle Storage

Rest paddle on the right side rail for storage.

Secure by looping the Bungee around the paddle and securing over the ball end.





## Seat Installation

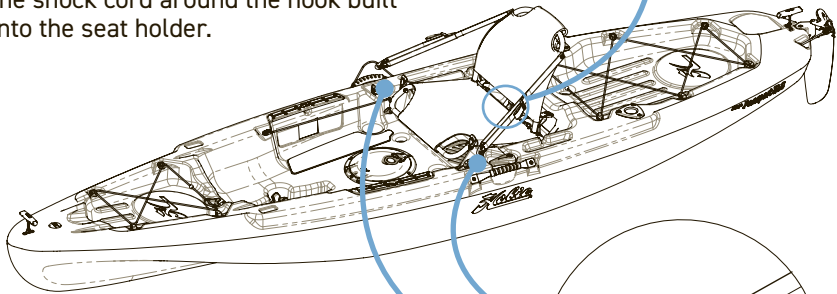
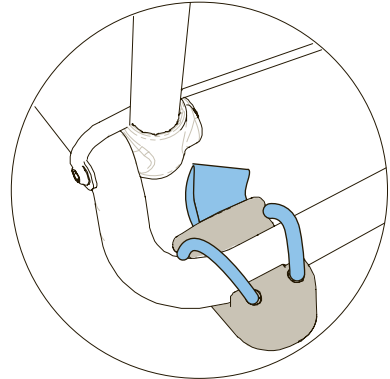
There are two connection points on the kayak to secure the seat.

①

Connect the rear seat bottom frame into the seat holders on the back of the kayak.

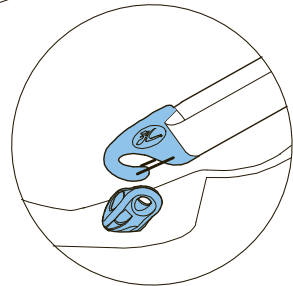
Push down on the seat until it snaps into the two holders.

Secure by stretching the shock cord over the seat bottom frame and looping the shock cord around the hook built into the seat holder.



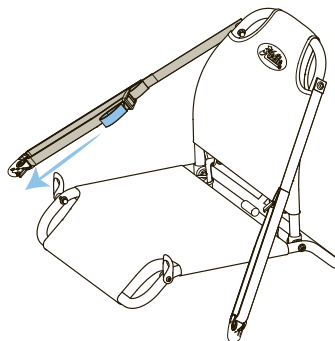
②

Connect the left and right straps that hang off the sides of the seat to the padeyes mounted to the side of the kayak.



③

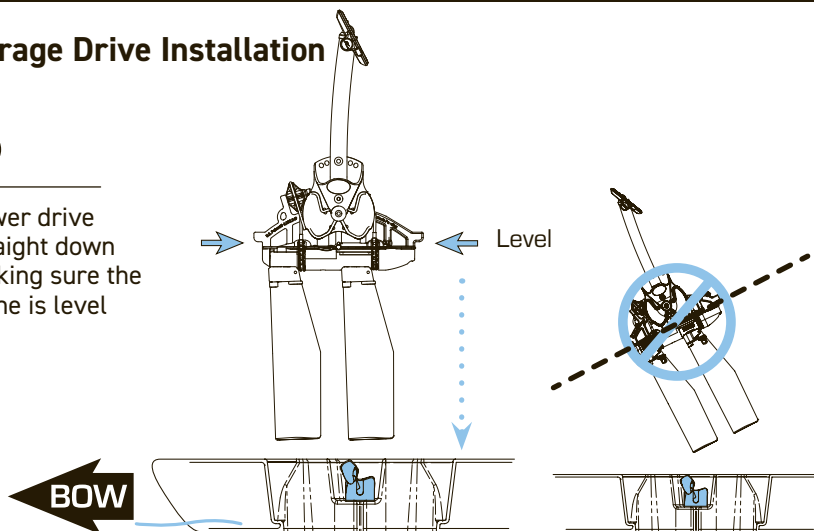
To adjust, pull down on loop of straps for less recline in the seat. For more recline, release the tension in the strap.



## Mirage Drive Installation

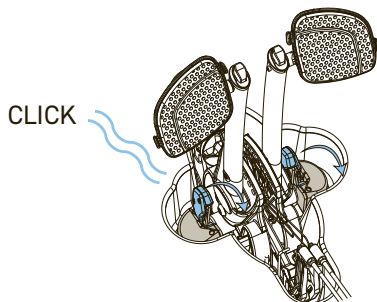
①

Lower drive straight down making sure the spine is level



②

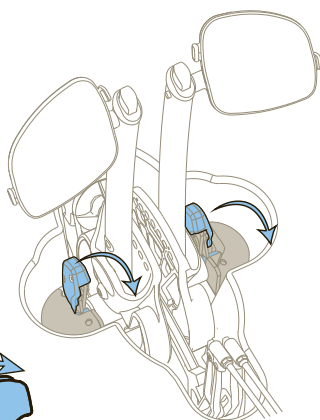
Press down and lock drive into Click and Go's. The drive locks automatically when installed.



## Removal

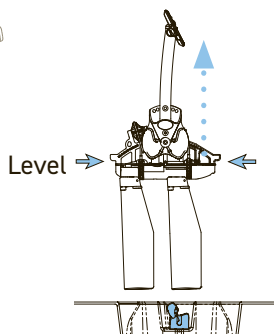
①

Pull back each Click and Go lever



②

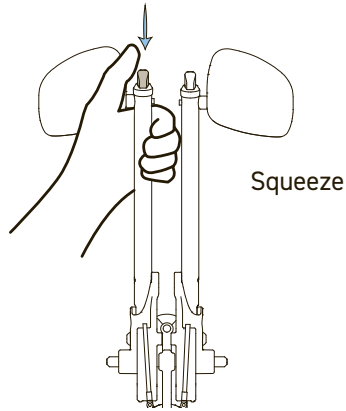
Lift drive straight up



## Pedal Adjustment

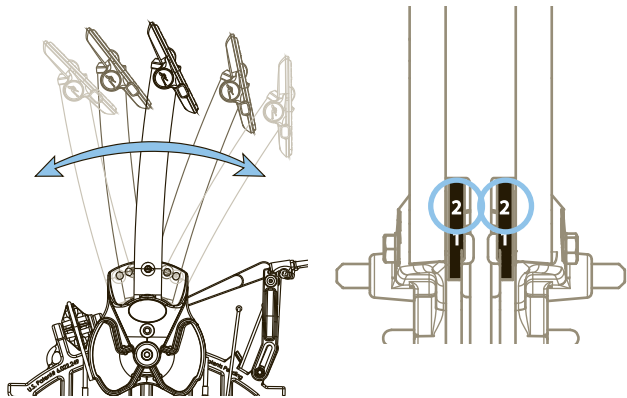
①

Squeeze adjuster handle



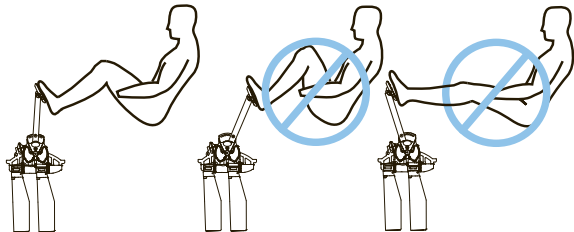
②

Adjust cranks by rotating and clicking them into the desired position. Make sure both cranks are in the same position number.

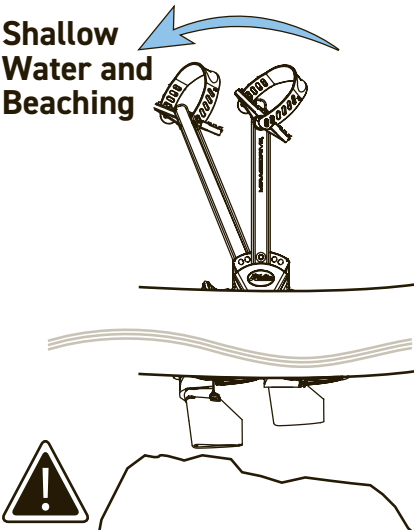
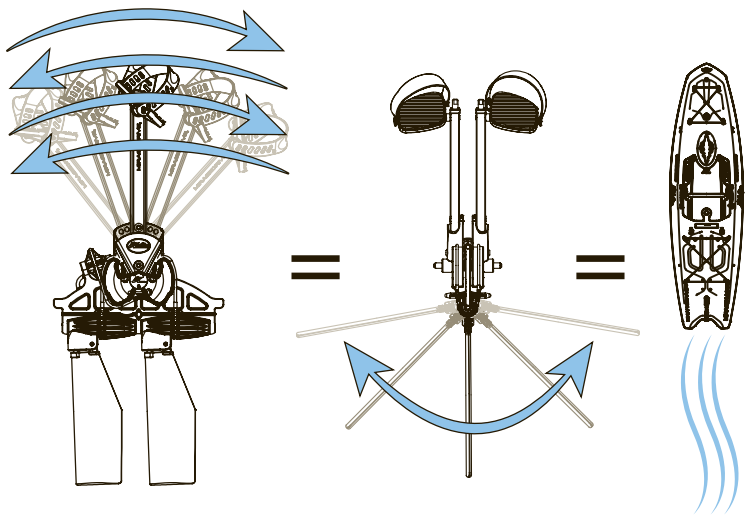


③

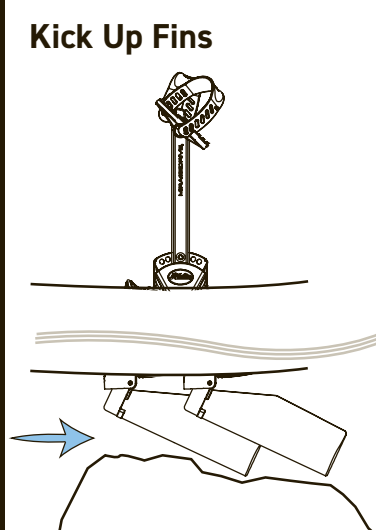
With both feet on the pedals and together (fins straight down), your knees should be comfortably bent and not crunched or over extended.



# MirageDrive Operation



Press either pedal forward in shallow water to raise fins. Pressing one pedal fully forward will orient the fins with the kayak underside.



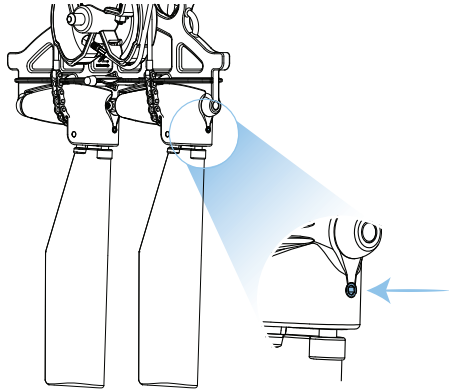
The kick-up fins will automatically retract backwards when coming in contact with any object and resume their normal position when clear of obstruction when you pedal.

## Kick Up Fin Adjustment

If the fins do not stay locked into position and feel loose, you'll need to adjust the kick-up set screw.

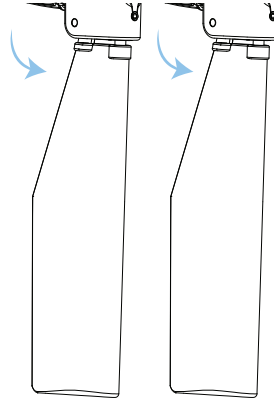
①

The set screw is located in the housing at the base of the fin.



②

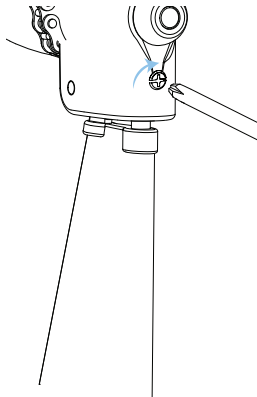
Make sure that the fin is completely engaged into the sprocket.



③

Tighten the screw (Phillips or Flat Head Screwdriver) 1/4 turn at a time until the set screw just touches the fin.

Test the fin by moving it in and out of the kick-up position to determine if it needs to be tightened or loosened.

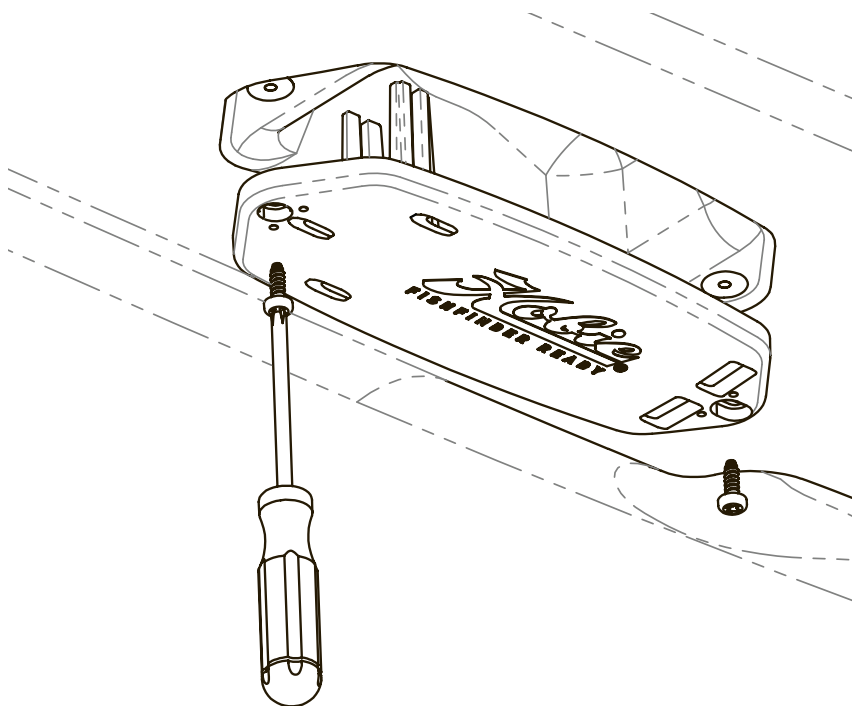


## Passport 12.0 R Transducer Install:

To take off the plate on the bottom of the hull, remove the screws using a hand Phillips screwdriver.

Follow instructions on your Fishfinder kit for installation.

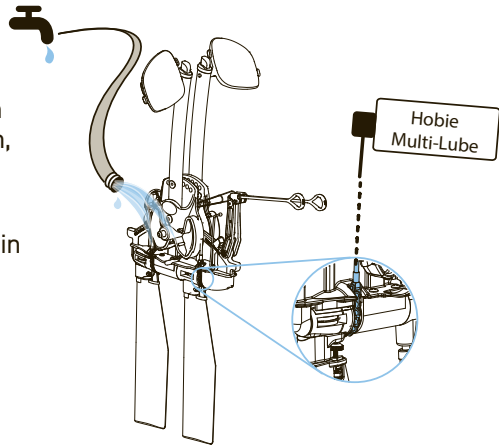
NOTE: The transducer hardware kit is an optional accessory and is not included with your Passport



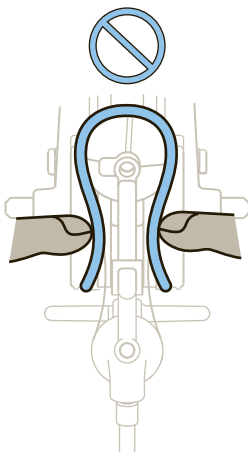
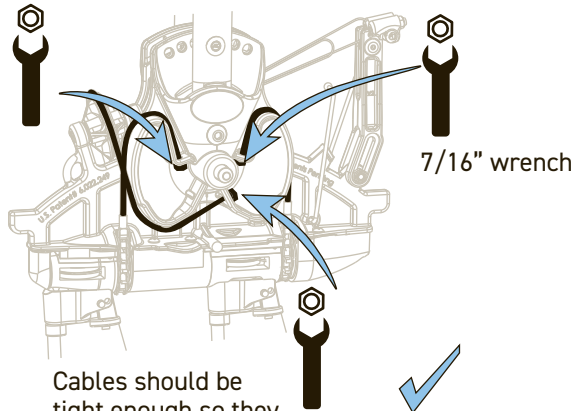
## MirageDrive Regular Maintenance

Note: Excessive sediment on the drive can impair function, rinse thoroughly after every use to avoid this.

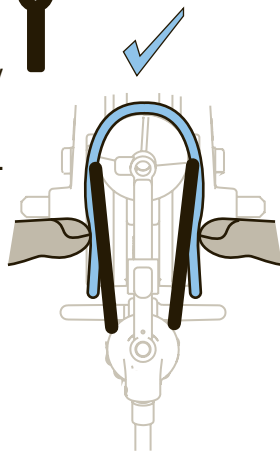
Use lubricant on the chain components frequently.



### Checking Cable Tension



Cables should be tight enough so they can only be slightly squeezed in under firm finger pressure. After tensioning the cables, the fins should be able to fall freely under their own weight to a vertically position when holding the drive by one crank.

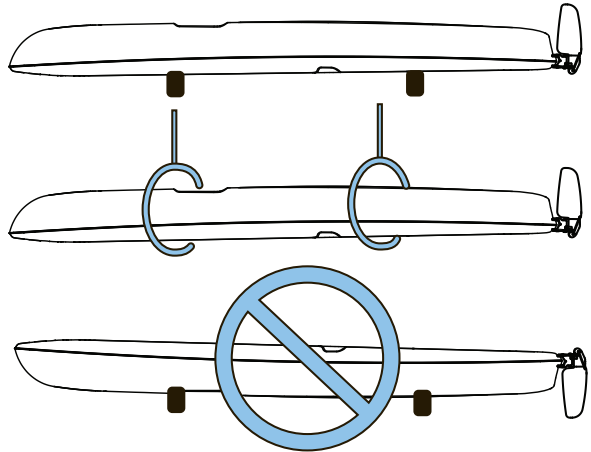


Visit [hobie.com/support](http://hobie.com/support) for information on the MirageDrive.

## Storage Do's

Storing your boat upside down on crossbars or hanging from wide strapping are two ways to keep the boat stored.

Locating straps through the scuppers is a secure way to hang your Passport.



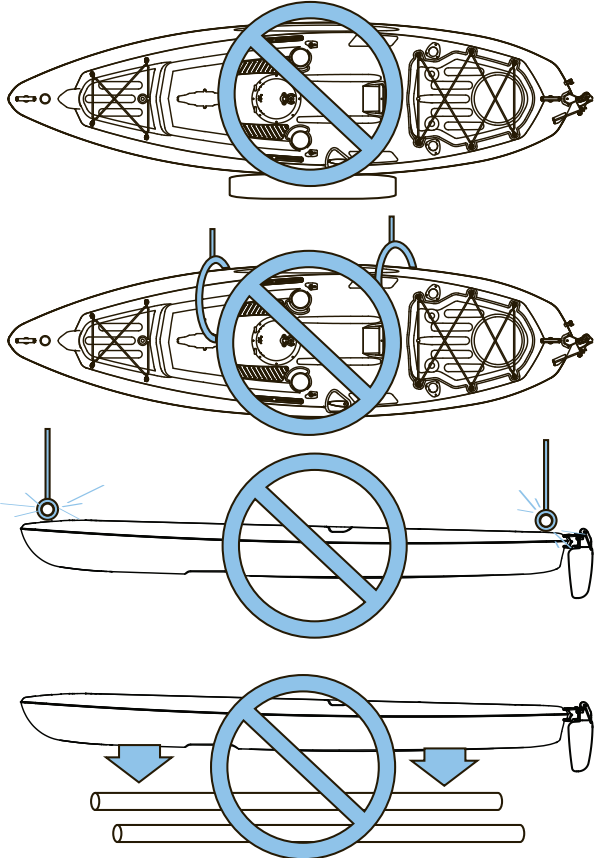
## Storage Don'ts

Storing your boat cockpit side up on rigid crossbars can dent the bottom.

Storing your boat on its side over a long period of time can flatten/dent the sides.

Never hang the boat by handles or leash plugs. They are not designed to handle long-term load and will fail.

Never use PVC runners or tubes to store boat on.



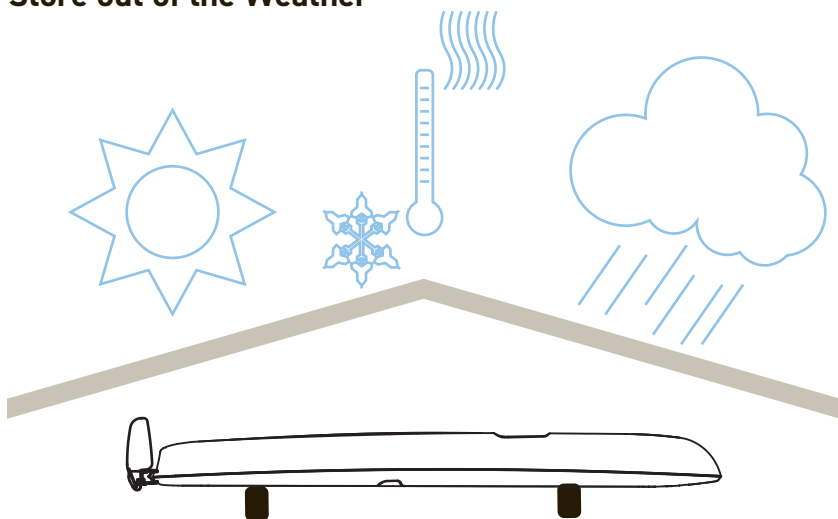


## Additional Storage Key Points

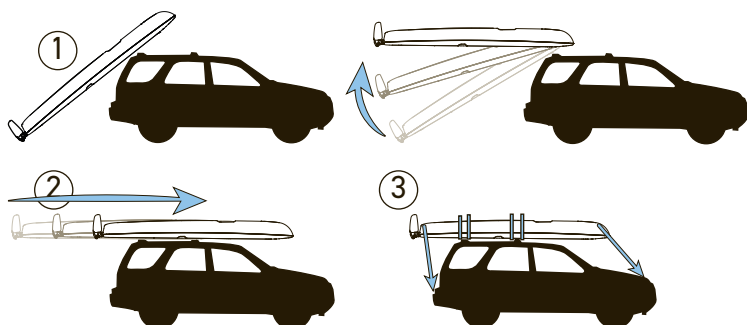
- Always remove all water from boat.
- Don't leave tie-down straps tight over a long period of time.
- Storing in non-recommended configurations can result in hull damage and can void your warranty.

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## Store out of the Weather



## Roof Topping



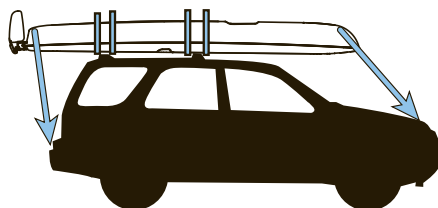
The best way to transport your boat is to purchase a trailer or roof rack from your dealer. Using proper cradles that support the hull, the boat can be transported right side up. Straps can then be laid across the boat and tied to the rack bars. Straps should be tight, but not so tight that they distort the shape of the boat. Avoid using ratchet straps to prevent overtightening.



Be sure to consult your car and roof rack owner's manual to ensure that you comply with all recommendations, precautions and specifications.

Running a line or strap from the bow and stern of the boat to each bumper is required. If your bumpers do not have a gap to pass a rope around, look underneath. There should be a loop of metal, which is used by car transports such as tow trucks.

Many people like to use the scupper holes to tie the boat to the car. This helps prevent the boat from sliding back and forth or the tie-down rope from slipping off the boat. (This is an acceptable method for tying the boat down for transport.)



## 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 prior to beginning.

### Always:

- Wear a Coast Guard approved personal flotation device (life jacket).
- 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 safety leash to your paddle and MirageDrive.
- Scout unfamiliar waters.
- Be aware of river water levels, tidal changes, wind conditions, obstacles in and above the water and weather changes.
- Always make sure that your hatches are secure and closed.
- Carry a pump and/or bailing device.
- Always carry the spare paddle provided with the boat.

### Never:

- Never go alone and always file a float plan.
- Never go in flood and/or fast moving water conditions. Hobie kayaks are not designed for fast moving water.
- Never exceed your ability and be aware of your limitations.
- Never use alcohol or mind-altering drugs prior to or while using this product.
- Never open your hatches in unstable water conditions.
- Never remove the foam pieces inside the hull. They are installed for structure, additional flotation and safety.

For your safety, Hobie kayak hulls contain foam blocks for positive flotation. Please do not remove them.

## Shakedown Cruise

As with any new product, it is important that you become familiar with the kayak and all its features. It is also important to determine that the kayak is sound before long trips. We recommend that you do what we call a “shakedown cruise” when the kayak is new, after shipping or transport, before long trips and after installing any thru-hull fittings. This test is typically done in shallow, calm conditions where you can familiarize yourself with or test the kayak before taking any long trips into open water. Things you should check or practice are:

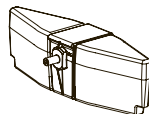
- MirageDrive installation, adjustment and removal.
- Rudder operation.
- Closing hatches properly.
- Drain plug locations to make sure they are properly installed.
- Getting in and out of the boat from a capsized state.

## Getting into your Kayak

If you fall out of your kayak, stay with the kayak. You should be properly wearing a life jacket/PFD which will keep you afloat. If the kayak is upside-down, it will need to be turned over. To do this, reach across the bottom of the kayak and grab the scupper hole or the Hobie MirageDrive and pull the boat upright. Position yourself so your head is near the cockpit area of the kayak and you are facing the kayak. You will want to be between the seat and the foot well areas of the kayak. Reach across the kayak to the far edge with one hand. Place the other hand on the near-side rail, then kick with your feet, pulling yourself up and onto the kayak. Roll over onto your backside toward the seat, which should place your backside in the seat. Sit up, swing your feet into the foot wells and you're ready to go.

## Mirage Kayak Cassette Plug

Your Hobie is shipped with a Mirage Cassette Plug. The plug is provided as standard equipment in the Mirage Kayak 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.



**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 in a timely manner. Please complete the Warranty Registration Card in your Owner's Packet, or take advantage of our online option at:

**<http://www.hobie.com/product-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 Kayak 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/dealers>

**Enjoy the Ride!**

For Hobie accessories visit:  
<http://www.hobie.com/accessories>

[hobie.com](http://www.hobie.com)







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