



Hobie® Mirage®
Pro Angler 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.

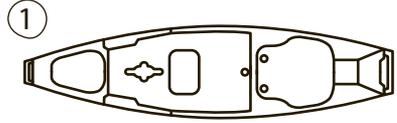
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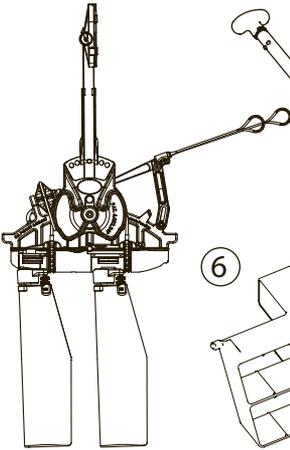
Look for this icon. Online video is available at
www.hobieffishing.com/support/

Please read the instruction manual before using this product

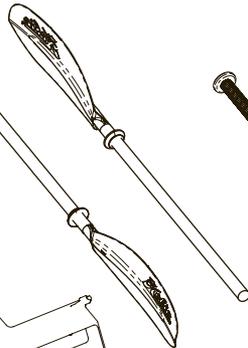
1. Hull
2. Vantage Chair
3. MirageDrive 180
4. Paddle and T-Handle
5. Lowrance Ready Components
6. Tackle Management Rack
7. 2X Plano® 3640 Tackle Boxes
8. 2X H-Rail Rod Rack
9. H-Rail Cup Holder
10. Mirage Well Scupper Plug
11. 2X Steering Handle Components
12. Secondary Steering Handle



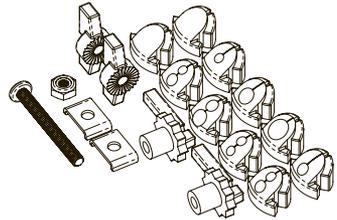
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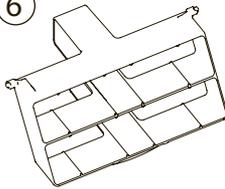
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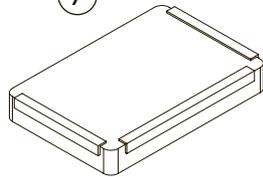
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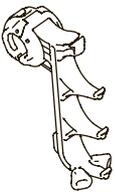
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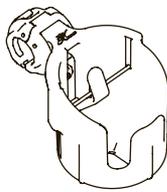
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9



10



11



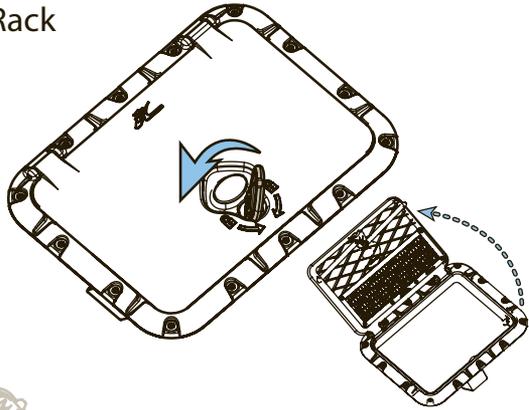
12



Tackle Management Rack Installation

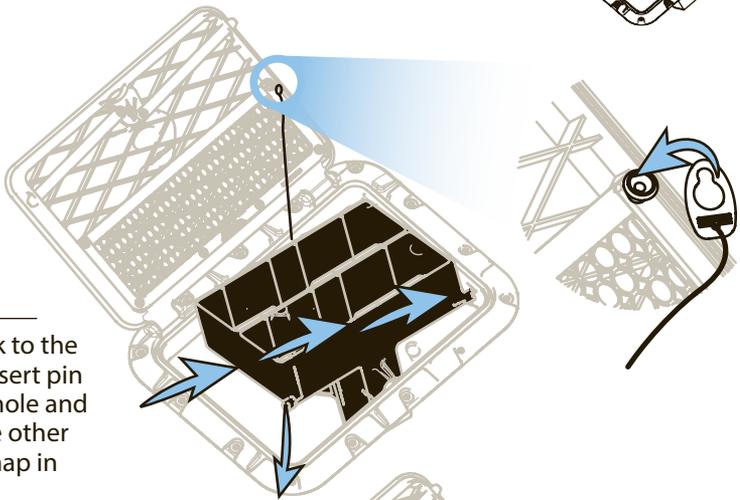
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Twist handle counter-clockwise and open lid



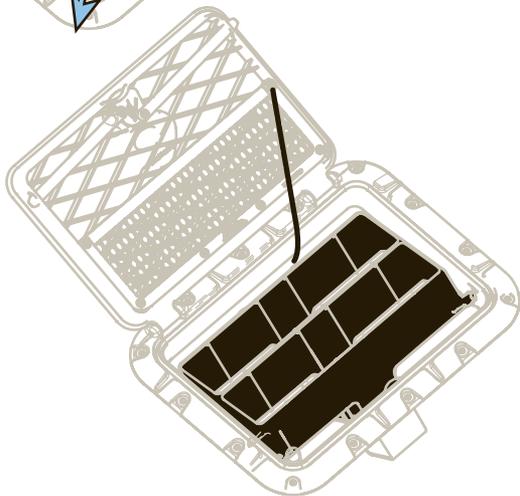
②

Press rack to the side to insert pin into the hole and lower the other side to snap in place.



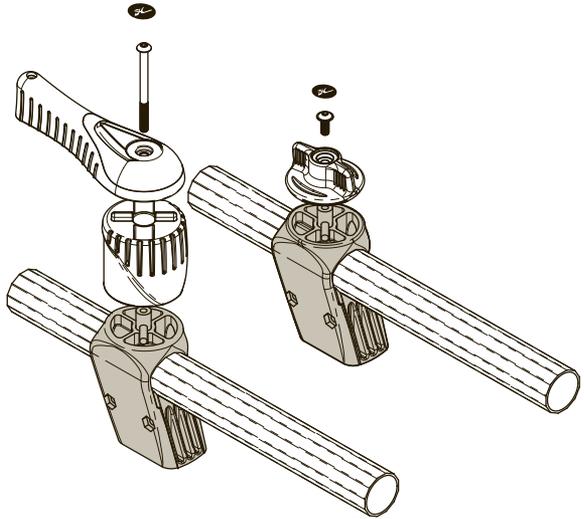
③

Secure clip to post



Steering Handles

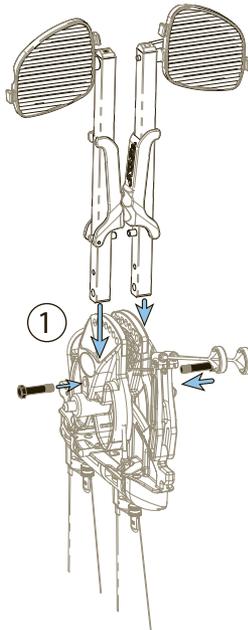
The steering handle, riser and steering knob can be installed on either the right or left side per your preference



MirageDrive Cranks

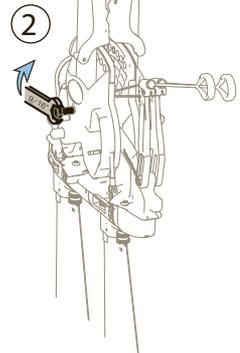
①

Insert cranks into drums



②

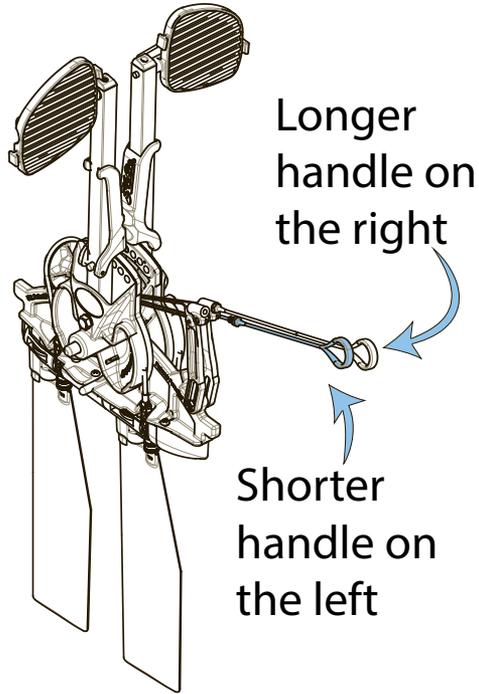
Tighten crank bolt all the way (snug not tight) using a 9/16" or 15mm wrench



FWD/REV Handle Installation

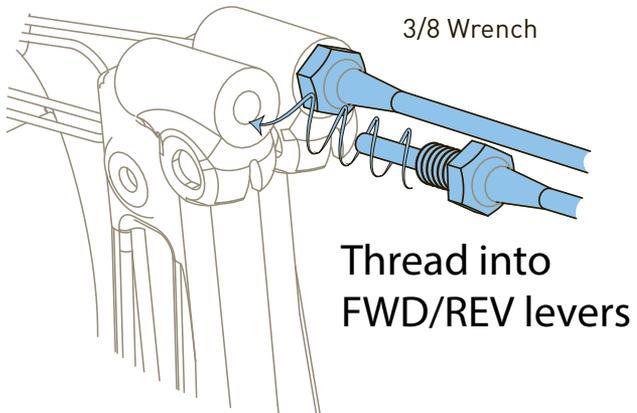
①

Line up the shorter (FWD) handle on the left and the longer (REV) handle on the right



②

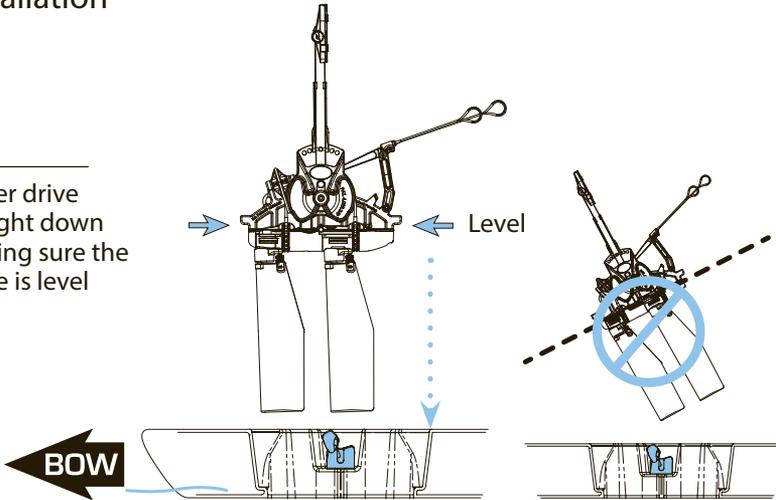
Screw in both pull handles into the levers on the MirageDrive using a 3/8" wrench. Do not over tighten.



Installation

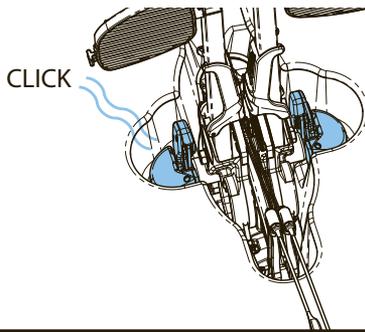
①

Lower drive straight down making sure the spine is level



②

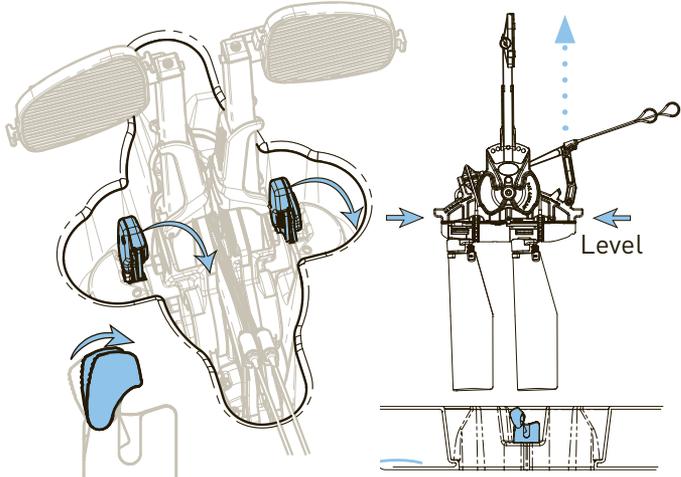
Press down and lock drive into Click and Go's



Removal

①

Pull back each Click and Go lever



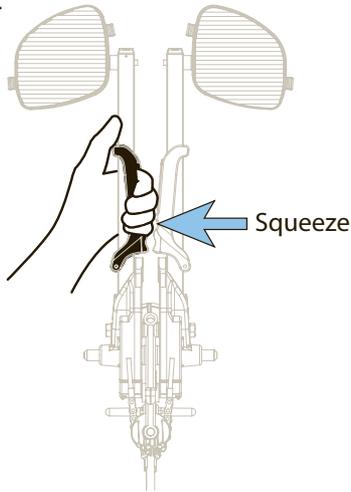
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Lift drive straight up

Pedal Adjustment

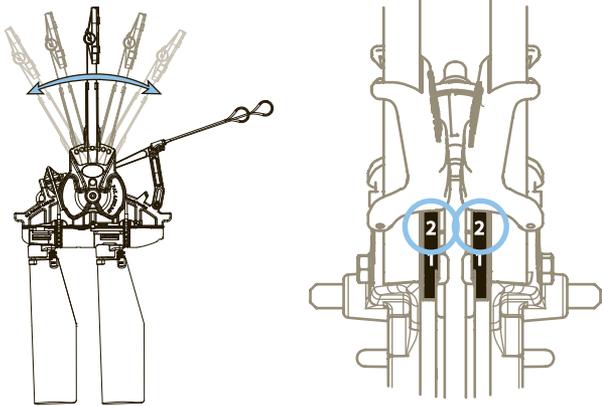
①

Squeeze adjuster handle



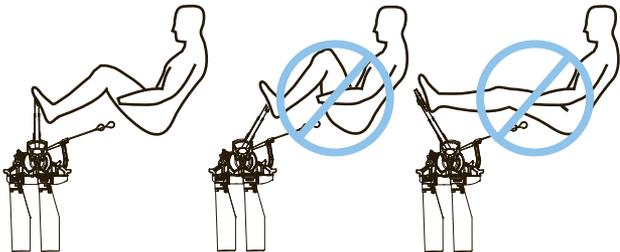
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Adjust cranks to desired position by rotating and clicking them into the desired position. Make sure both cranks are in the same position number.



③

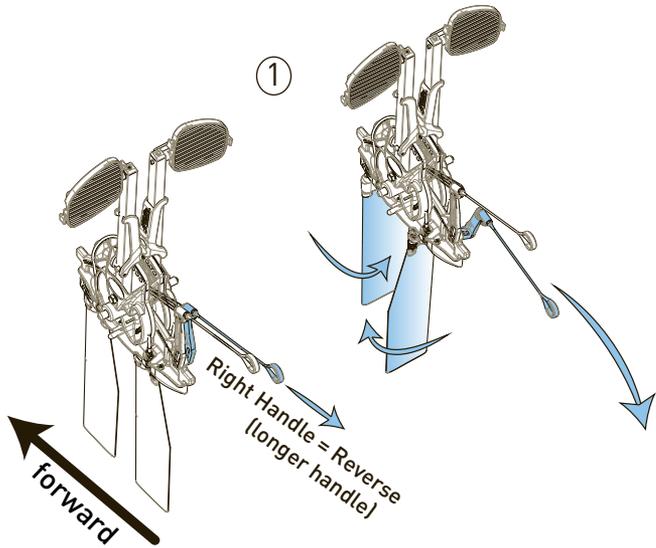
With both feet on the pedals together (fins straight down), your knees should be comfortably bent and not over-crunched or extended.



Reverse

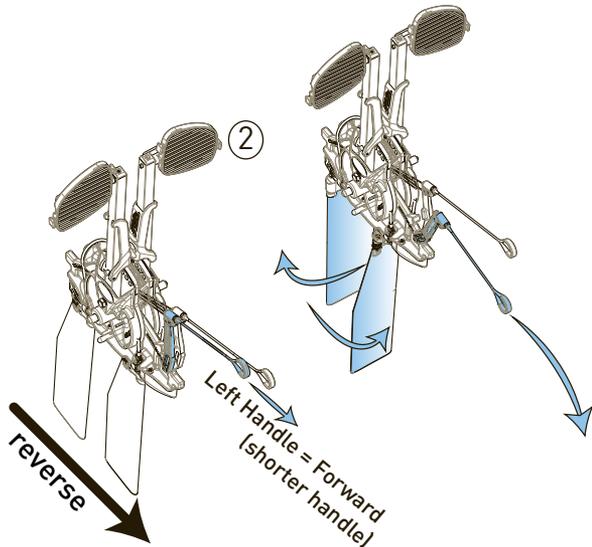
①

From the forward position, pull the right handle to shift the drive into reverse. (This is the longer handle of the two)



②

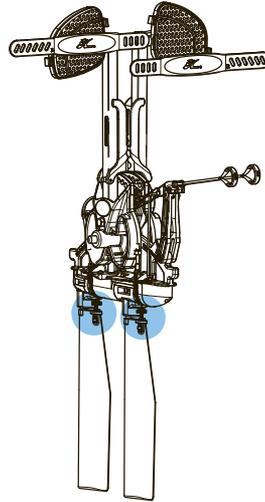
From the reverse position, pull the left handle to shift the drive into forward.



Pedaling Resistance

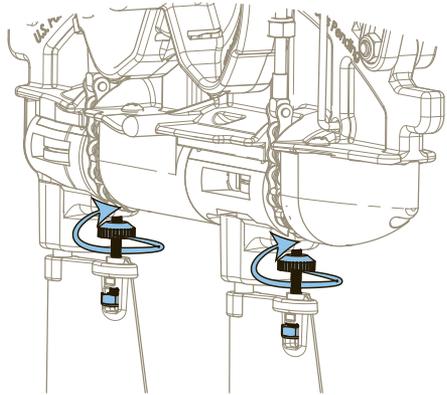
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Locate the thumb knobs on the MirageDrive



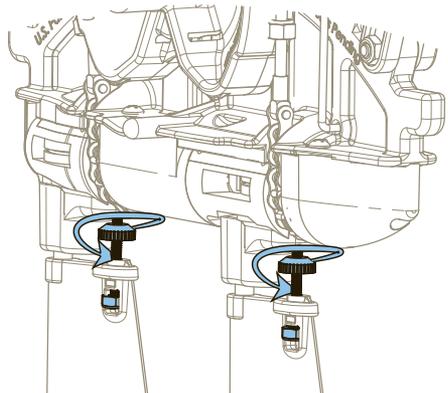
②

Turn the thumb knobs counter-clockwise, to loosen the fin from the boom, reducing resistance on the fins when pedaling.

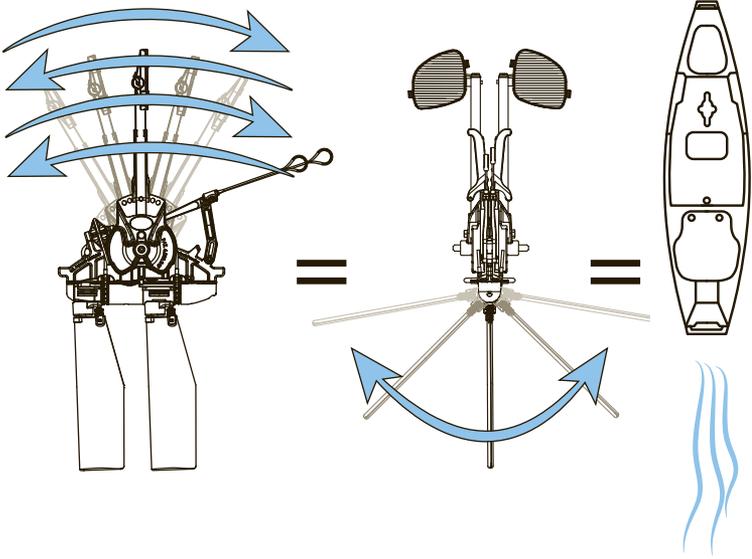


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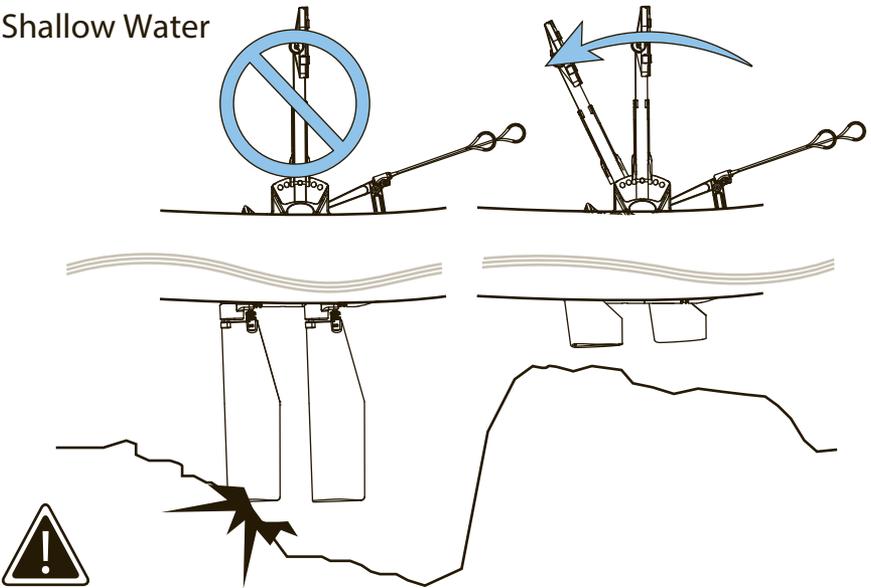
Turn the thumb knobs clockwise, to tighten the fin to the boom, increasing resistance on the fins when pedaling.



MirageDrive Operation

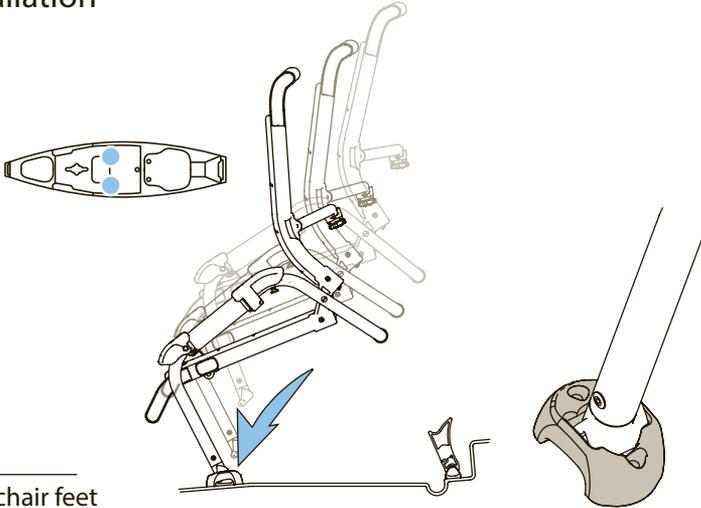


Shallow Water



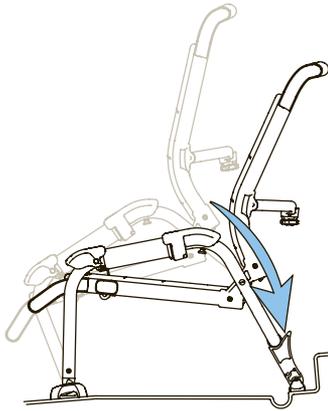
To raise fins in shallow water or when beaching, PUSH either pedal forward.

Installation



1

Lock chair feet
to boat



2

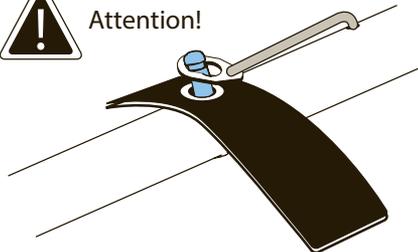
Pivot chair onto
kickstand

3

Place webbing
strap over pin on
the seat frame and
hook clip. This will
secure the seat in
the event of a flip



Attention!

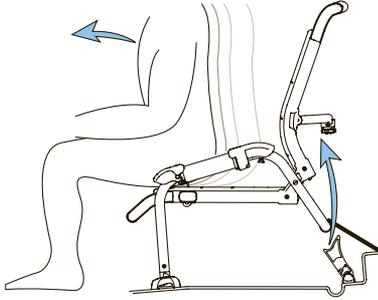


Lowering



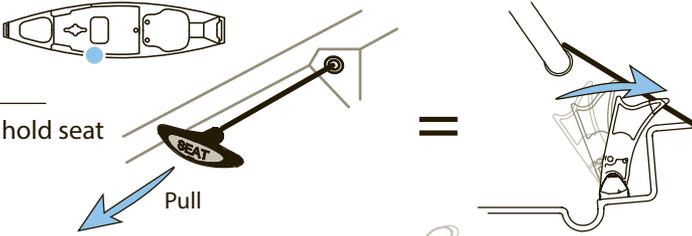
①

Shift weight forward and tilt seat up



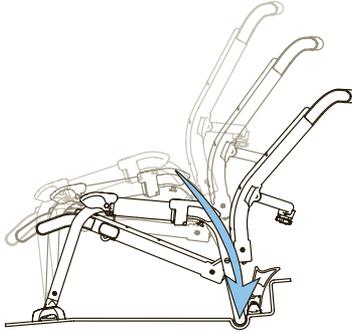
②

Pull and hold seat handle



③

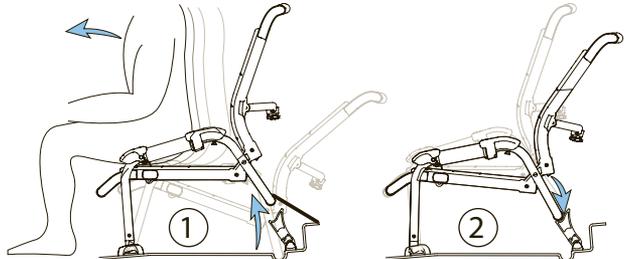
Lean back to lower seat



Raising

①

Shift weight forward and tilt seat up



②

Lean back to lower seat onto kickstand



Back and Bottom Adjustment



①

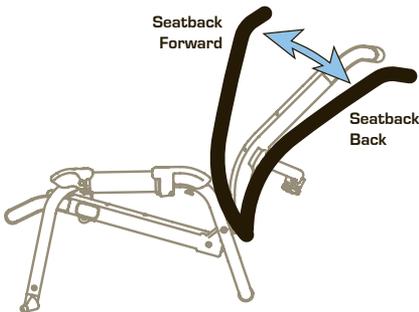
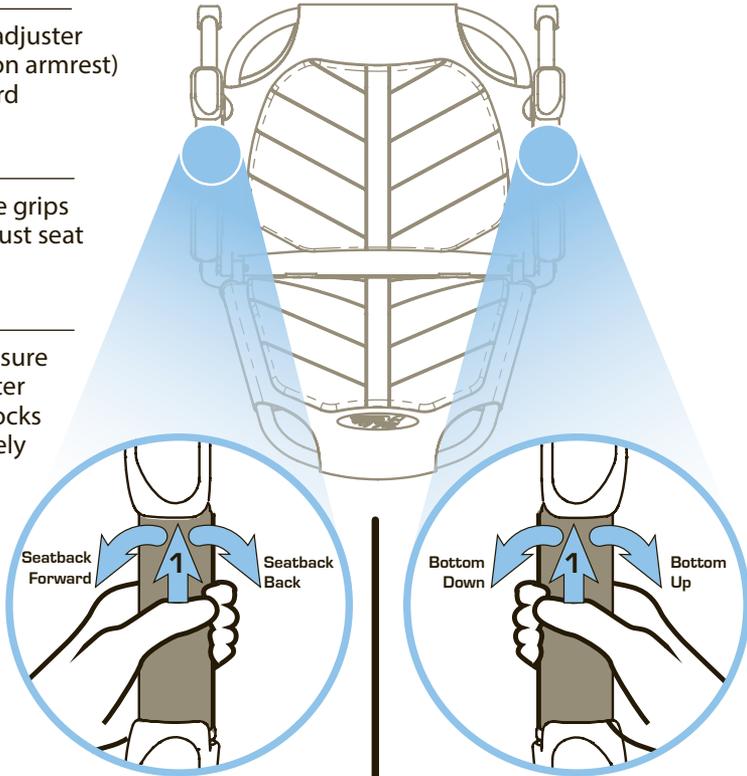
Slide adjuster grip (on armrest) forward

②

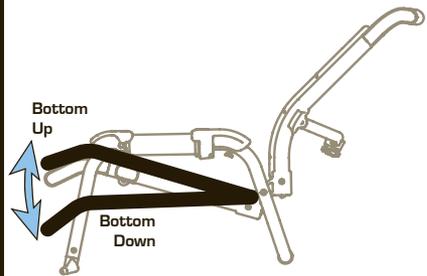
Rotate grips to adjust seat

③

Make sure adjuster grip locks securely

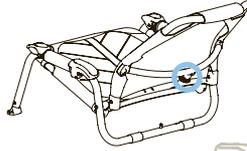


Lean forward to make seatback adjustment easier



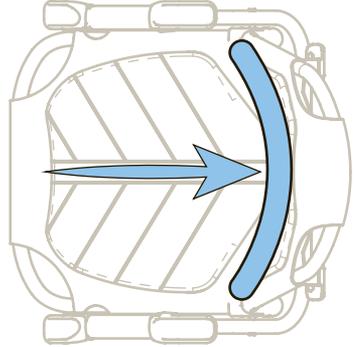
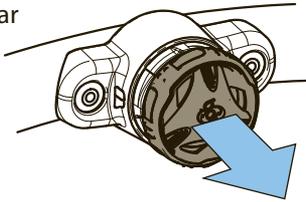
Ease weight off seat to make adjusting seat bottom easier

Lumbar Adjustment



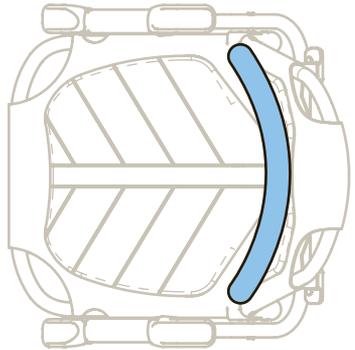
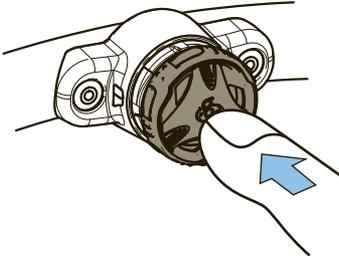
1

Pull knob to release lumbar



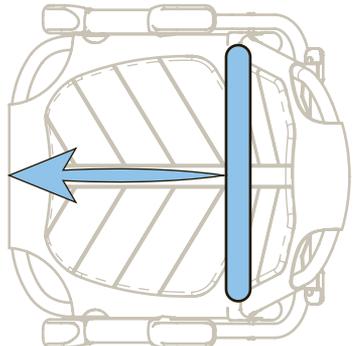
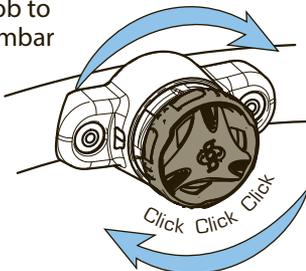
2

Press knob to lock lumbar

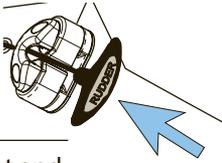


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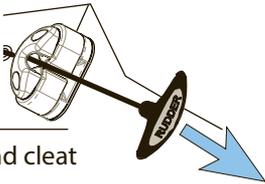
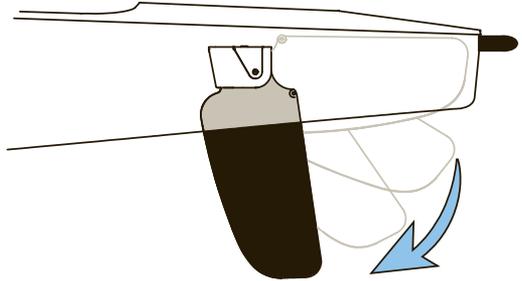
Rotate knob to tension lumbar



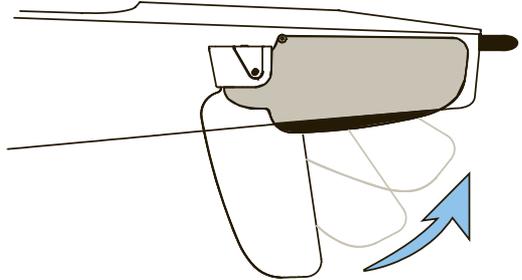
Rudder Down and Up



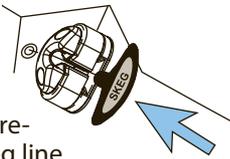
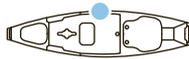
Uncleat and release



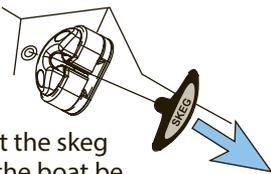
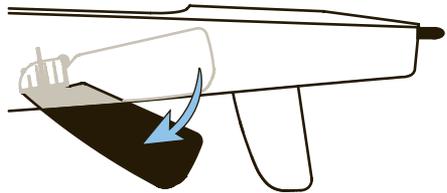
Pull and cleat



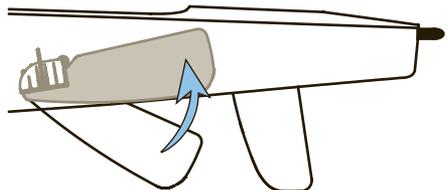
Skeg Operation



Uncleat and re-release the skeg line to lower the skeg and have the boat track straight.



Pull and cleat the skeg line to have the boat be more maneuverable



Rudder Line Tension



①

Pull knob to release rudder line



②

Press knob to lock rudder line



BOA® Rudder Line Tension Included on 2014 or newer models.

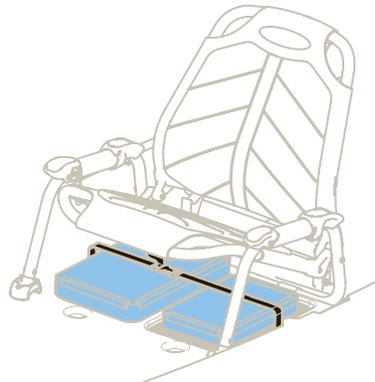
③

Rotate knob to tension rudder line

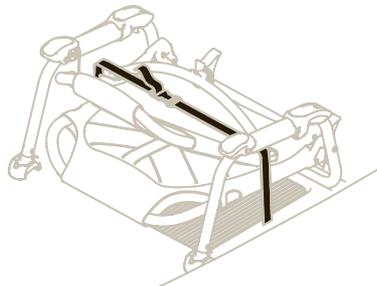


Underseat Strap

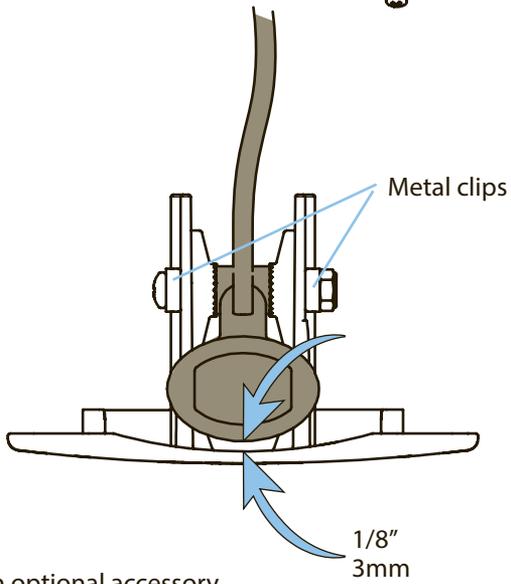
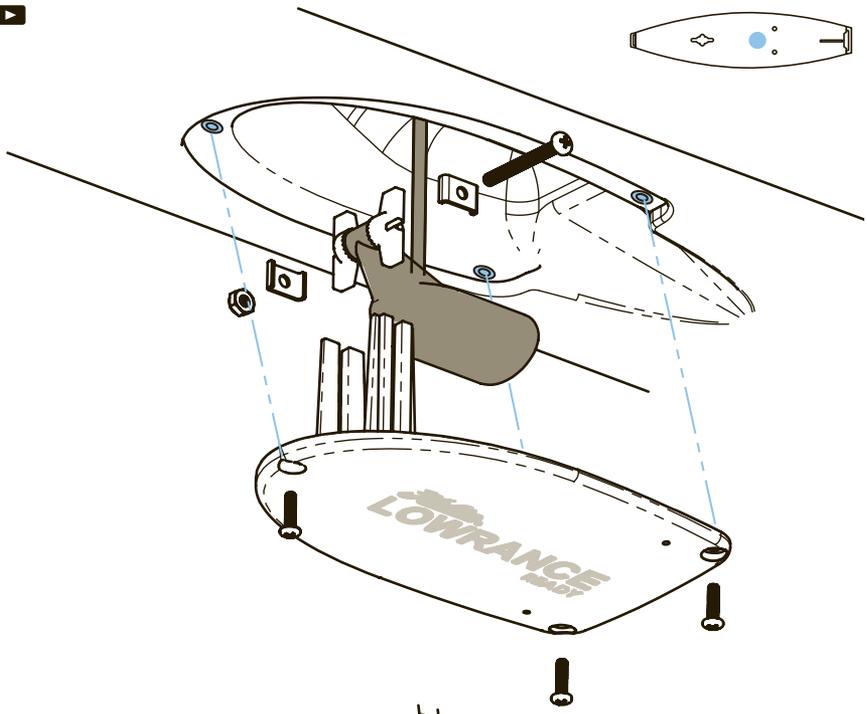
Use strap under seat to hold down optional tackle boxes



With the seat in the low position, use this same strap to hold down the seat during transport

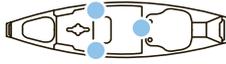


Transducer Installation



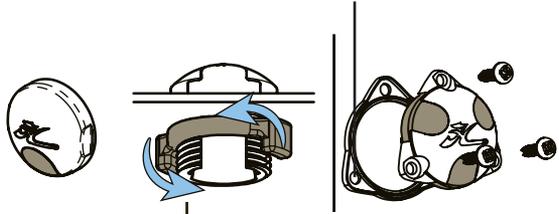
Transducer is an optional accessory and is not included with boat

Thru-Hull Plugs Single and 3-way



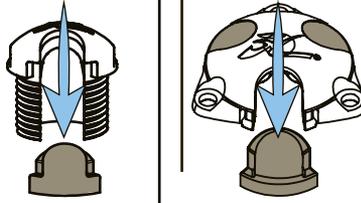
①

Locate the thru-hull plug and unscrew the screws or nut on the inside of the boat



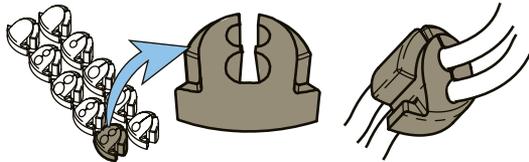
②

Remove the solid rubber plug



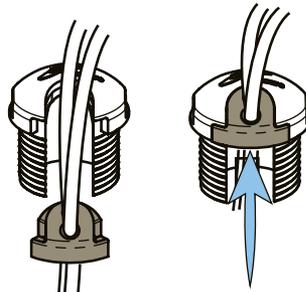
③

Choose the correct plug for your wire size and insert wire by opening the plug along the slit



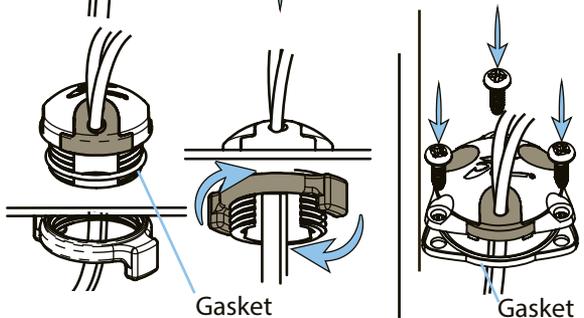
④

Press the new plug with the wire installed into plastic plug, making sure it fits properly



⑤

NOTE: DO NOT USE A DRILL Screw the 3 way plug to the hull by hand. Bolt or screw the thru-hull wire assembly to the hull using the nut or screws. Ensure the or gasket is installed.

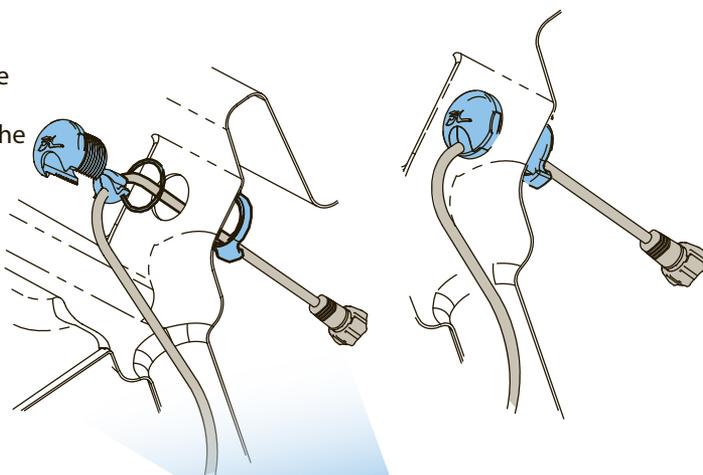


Wire Installation



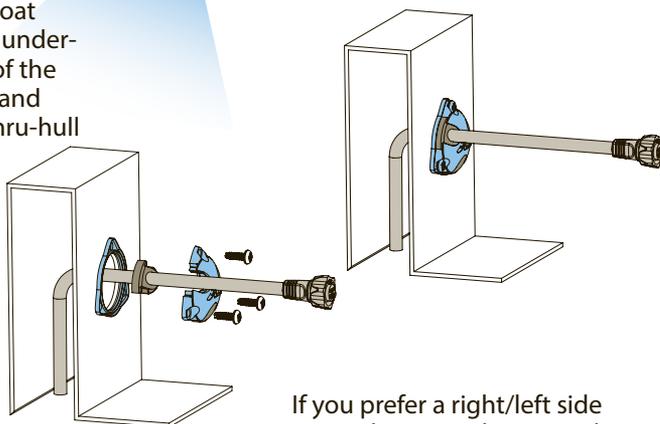
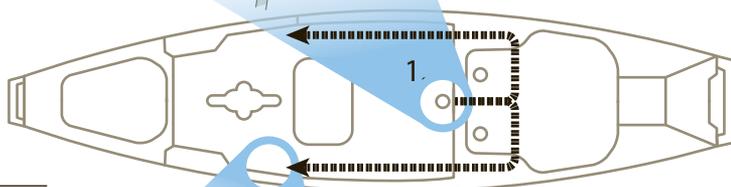
①

Run the cable into the plug just behind the transducer scupper.



②

Lead the cable through the inside of the boat and exit the cable underneath either side of the mounting boards and out through the thru-hull fitting.

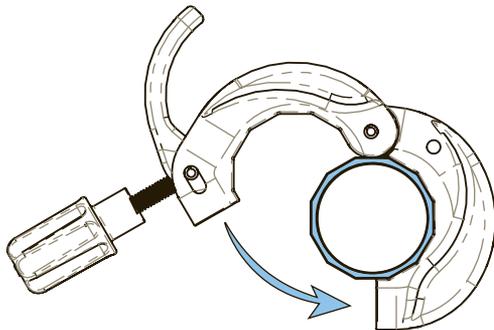


If you prefer a right/left side screen location, there are plugs for the wire to exit on either side of the boat.

Clamping

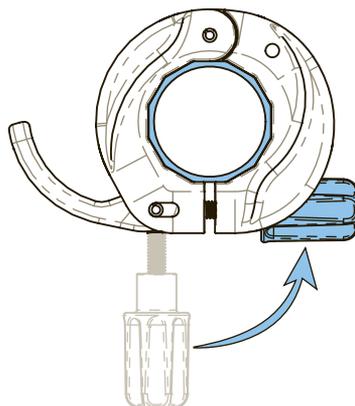
①

Clamp accessory
around H-Rail Tube



②

Lock tension knob



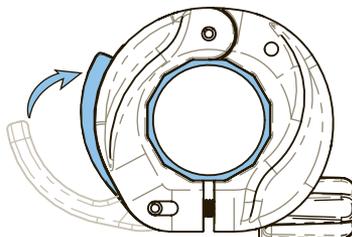
③

Tighten or loosen
knob per your
clamping require-
ments



④

Close the lock
lever. If the lever
is difficult to close,
loosen the knob in
step 3



Adjusting Clamp Position

①

Unlock lever

②

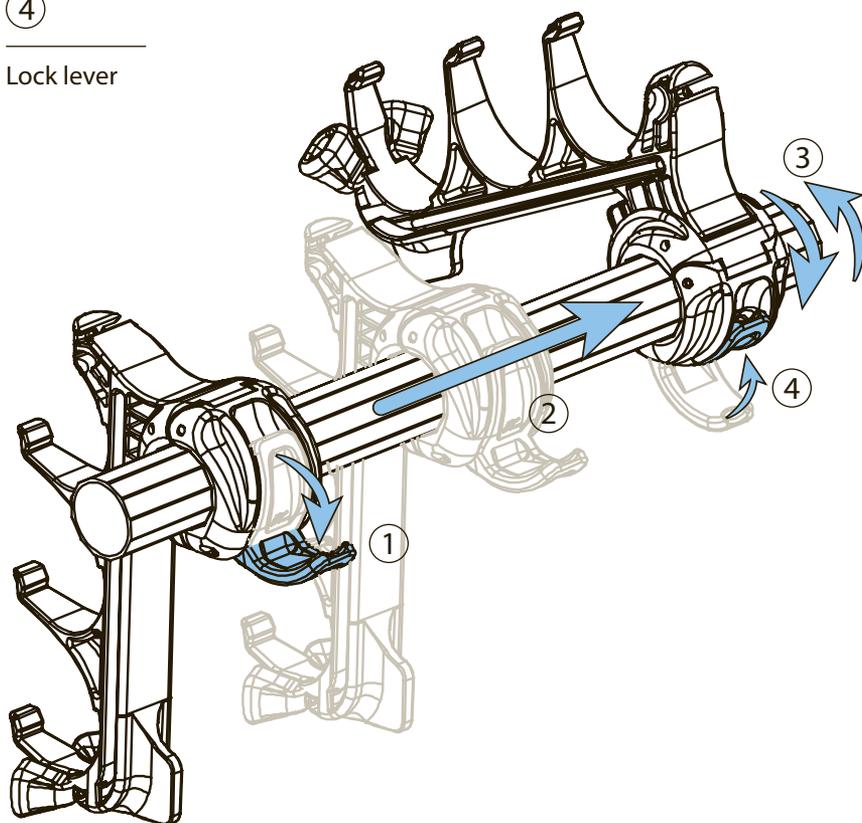
Slide to new position

③

Adjust angle

④

Lock lever

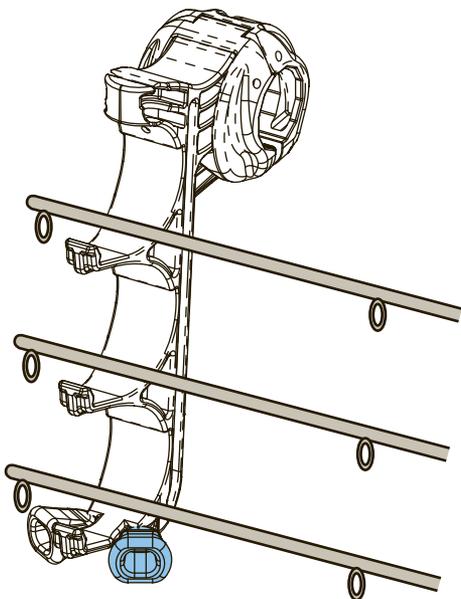


Rod Rack Retainer

During launch or transport, you may want to keep your rods held in place using the H-rail Rod Rack

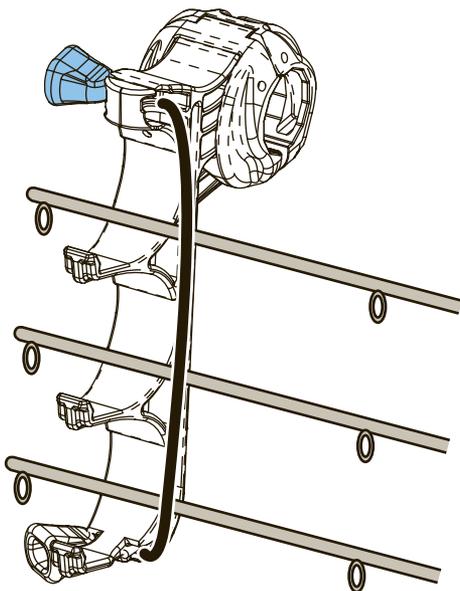
①

Lay your rods in the holders



②

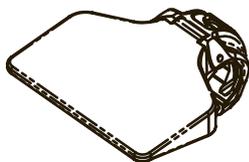
Stretch the bungee over the rods and hook at the top



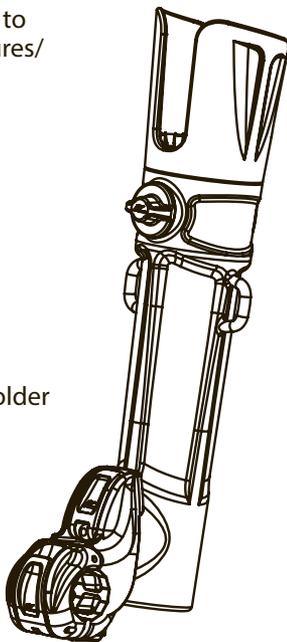
Additional Accessories (Not included with boat)

Review your parts and accessory catalog for all of the latest H-Rail mounting accessories or go to <http://www.hobiefishing.com/catalogs-brochures/>

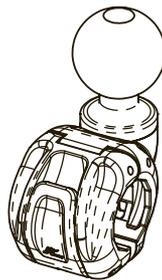
Universal Mounting Plate



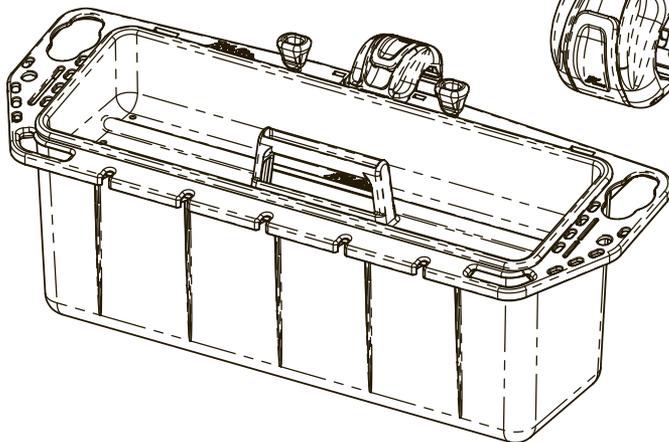
Rod Holder



Ram® Ball Mount



Tackle/Tool Box

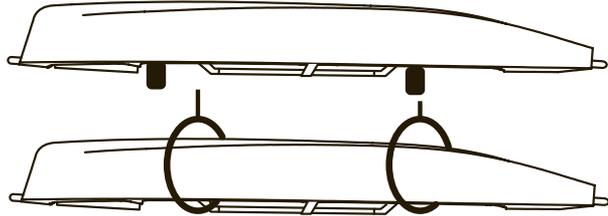


Storage Recommendations

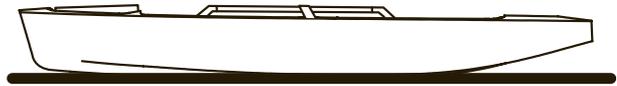
Storing your boat upright with properly fitting cradles is most advised



Storing your boat upside down on crossbars or hanging from wide strapping are other great ways to store the boat

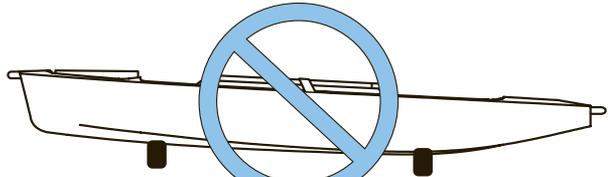


Storing your boat upright on a flat surface.

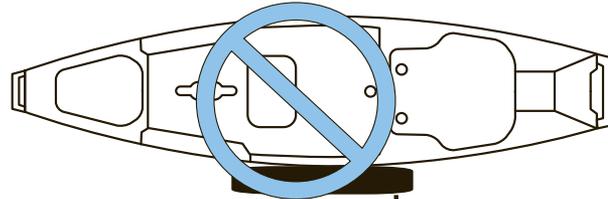


Storage Don'ts

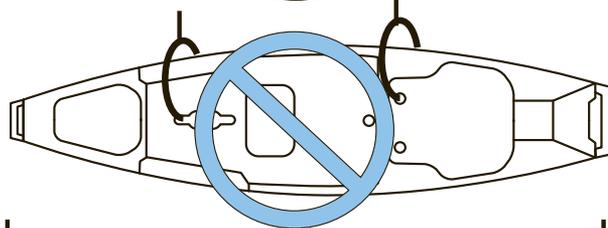
Storing your boat cockpit side up on crossbars can dent the bottom



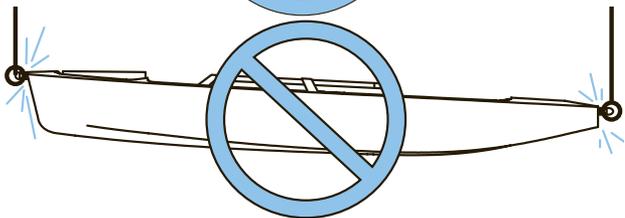
Storing your boat on its side over a long period of time can flatten/dent the sides



Hanging the boat by the scuppers can distort the scupper holes



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

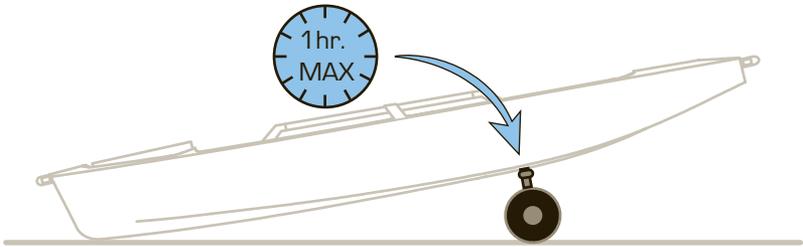


Additional Storage Key Points

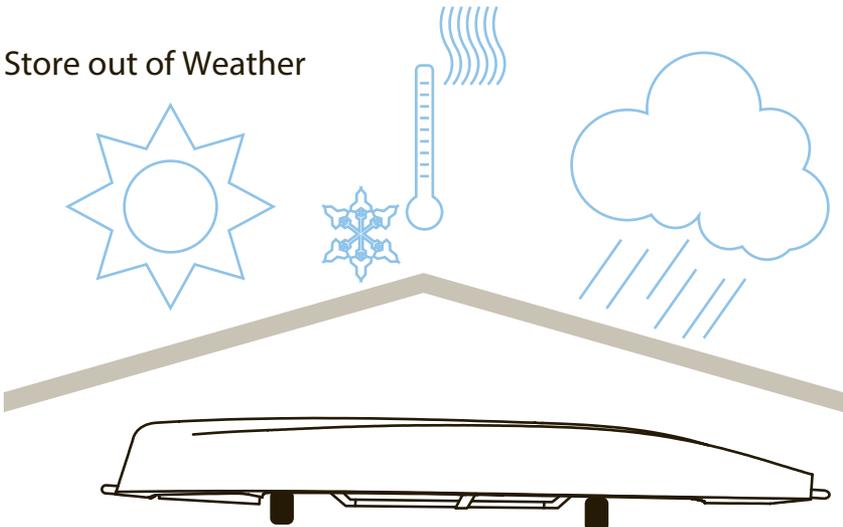
- Always open drain plugs and remove all water from boat
- Don't leave tie-down straps tight over a long period of time
- Storing in non-recommended configurations can result in hull damage and can void your warranty
- Never hang from handles or padeyes

Cart

The cart should be used for transportation purposes only and not as a storage platform. Do not leave your boat on the cart for more than one hour (less time in warmer temperatures or direct sunlight).



Store out of Weather



Check hobiefishing.com for optional storage covers.

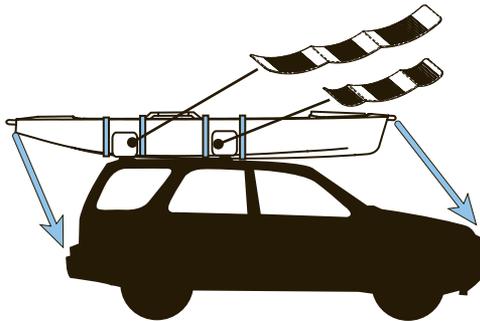
The best way to transport your boat is to purchase a trailer or roof rack from your dealer. Using proper cradles that support the hull, the boat can be transported right side up. Straps can then be laid across the boat and tied to the bars. Straps should be tight, but not so tight that they distort the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



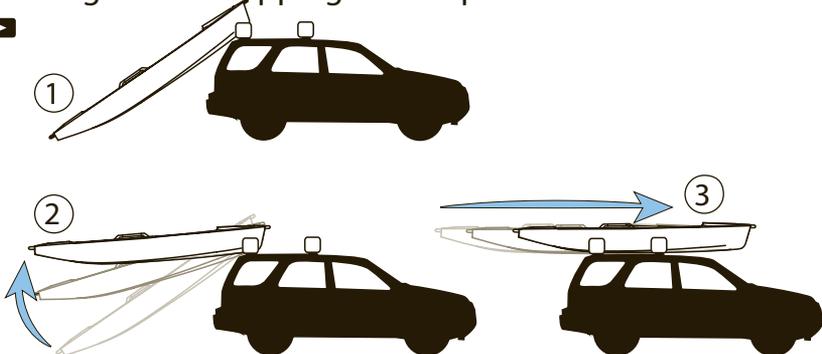
Be sure to first consult your car and roof rack owner's manual to ensure that you comply with all of their recommendations, precautions and specifications.

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.)

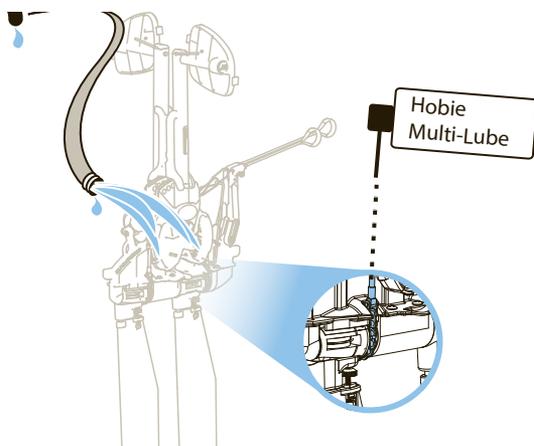


Pro Angler Roof Topping Technique

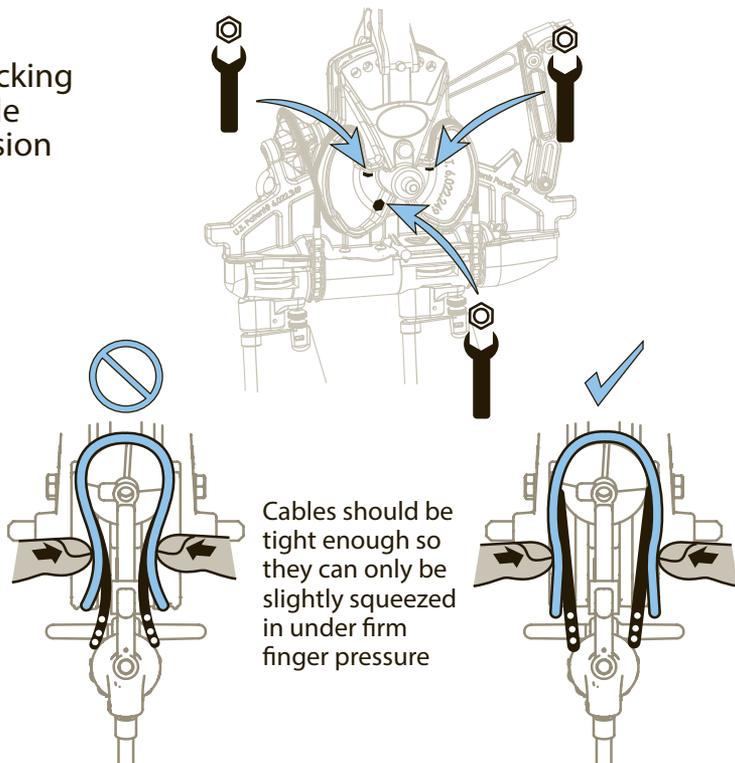


MirageDrive Regular Maintenance

The most effective maintenance tool on your MirageDrive is a fresh water rinse after every use. Periodically apply Hobie Multi-Lube on the chains will help keep the operation smooth.



Checking Cable Tension

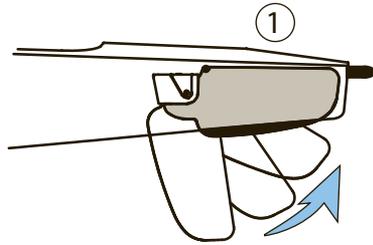


Visit www.hobiefishing.com/support for information on the MirageDrive.

Rudder Tuning

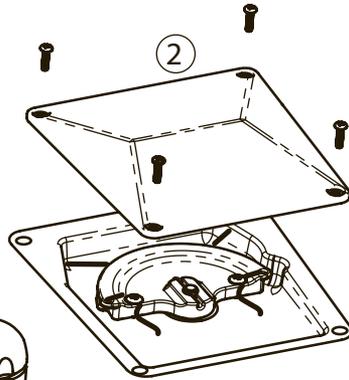
①

Pull up rudder



②

Remove rudder cover

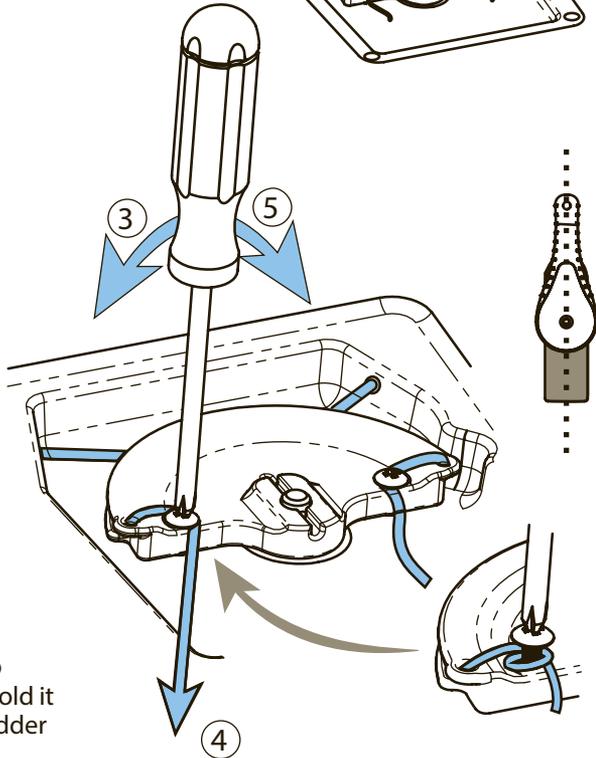


③

Loosen screw clamping the rudder line

④

Pull the slack out of the rudder line making sure the steering handles are still straight. If they are not straight, adjust the lines accordingly.



⑤

Tighten the screw to clamp the line and hold it in place. Replace rudder cover

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 make sure your hatches are secure
- Carry a pump and/or bailing device
- Always carry the paddle provided with the boat

Never:

- Never go in flooded 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 reasons.

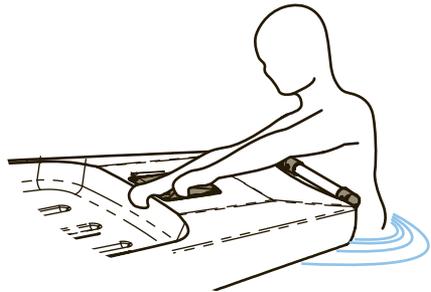
Shakedown Cruise

As with any new product, it is important that you become familiar with the boat and all its features. Before long trips, it is important to determine that the boat is sound. We recommend that you do what we call a “shakedown cruise” when the boat 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 boat before taking long trips into open water. Things you should check or practice are:

- MirageDrive installation, adjustment and removal
- Rudder Operation
- Getting in and out of the boat from a capsized state
- Drain plug locations to make sure they are properly installed
- Closing hatches properly
- Taking the kayak sail down while on the water (if applicable)

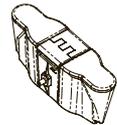
Getting into your Boat

Falling out of your boat is something that rarely happens, but it is important to practice and prepare for this type of situation. We recommend that you try climbing into your boat in a pool or shallow water to improve your technique. We recommend that you enter your boat from the side or back of the boat depending on conditions.



Mirage 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.



Kayak Sail Safety

The kayak sail is a very popular optional accessory that works quite well with Hobie Mirage Kayaks. It is important to familiarize yourself with the use of the sail and how wind power affects the stability of the boat. The sail is not recommended for use in wind conditions over 10 MPH/8.7 knots unless you are using the furling kit or stabilizing amas available through Hobie Cat’s Parts and Accessories Catalog.

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 hassle-free online option at:

<http://www.hobiefishing.com/product-registration/>

or

Scan this QR code with your smart phone



If you have a problem or question with your Hobie product, please see your Authorized Hobie Kayak Dealer. They will be able to 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 webpage.

<http://www.hobiefishing.com/dealers/>

Enjoy the Ride!

Heavy Duty Plug-In Cart



Kayak Cover



PFD



Sail Kit



Hobie Boat Cleaner



Hobie H-bar



Hobie Multi-Lube



Hobie H-crate



For more accessories see:
<http://www.hobiecat.com/catalogs-brochures/>



Hobie Cat Company

Holding Company
Oceanside, California, USA
1-800-HOBIE-49
hobiecat.com

Hobie Cat Australasia

Subsidiary
Huskisson, New South Wales, Australia
1-800-4-HOBIE
hobiecat.com.au

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hobiecat.com.br