



Hobie® Mirage®
Pro Angler 17 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.

Anatomy5

Assembly6

MirageDrive®.....8

Vantage Seating..... 10

On the Water 14

Lowrance Ready System 17

H-Rail System 20

Storage and Transport..... 24

Maintenance and Care 23

Safety 25

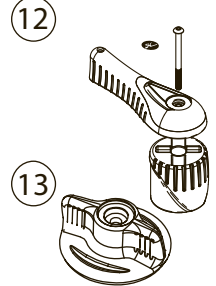
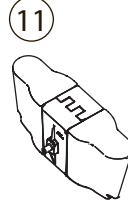
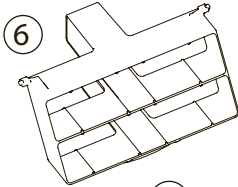
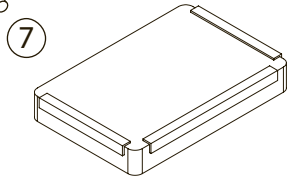
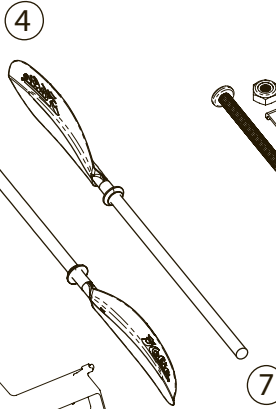
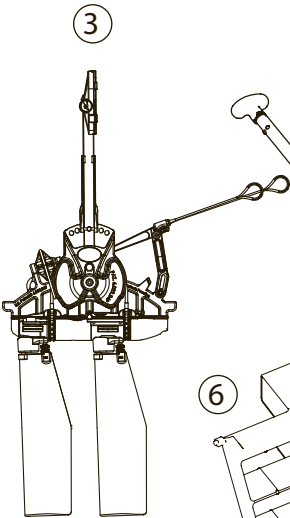
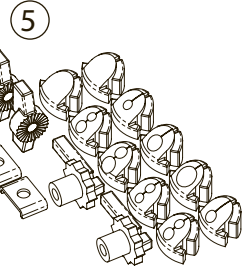
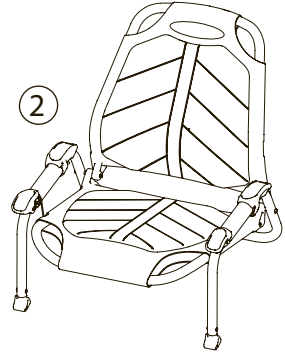
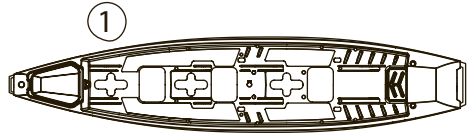
Warranty 27



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

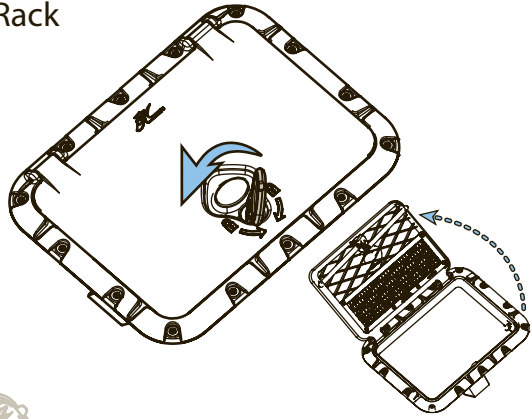


Items not shown to scale

Tackle Management Rack Installation

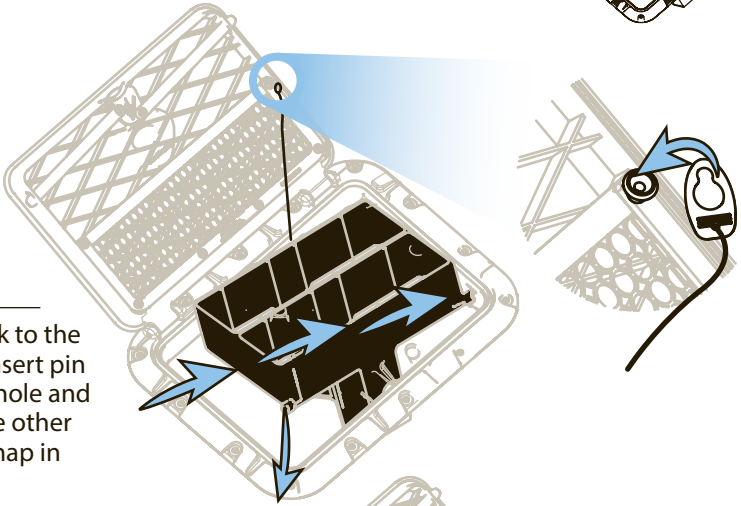
①

Twist handle counter-clockwise and open lid



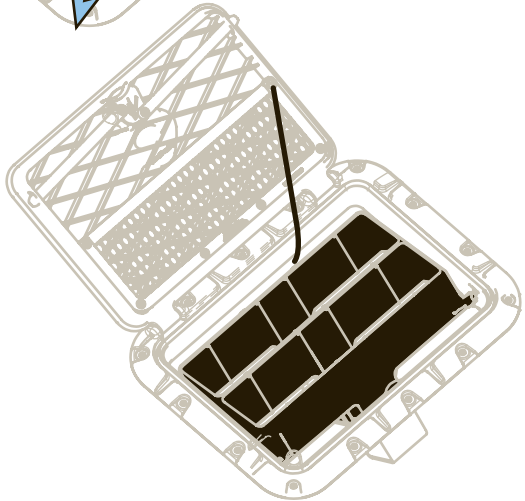
②

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



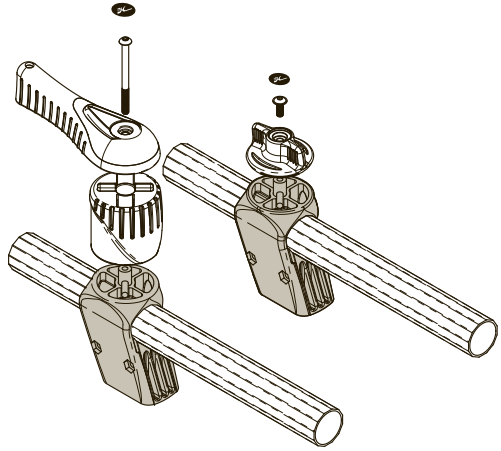
③

Secure clip to post



Steering Handles

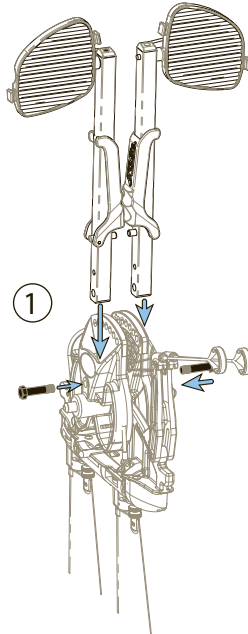
The steering handles and steering knob can be installed in different positions per your preference



MirageDrive Cranks

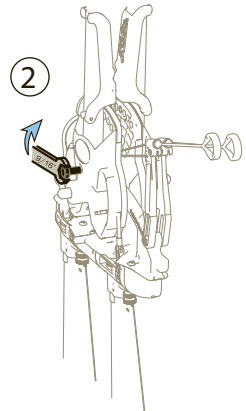
①

Insert cranks into drums



②

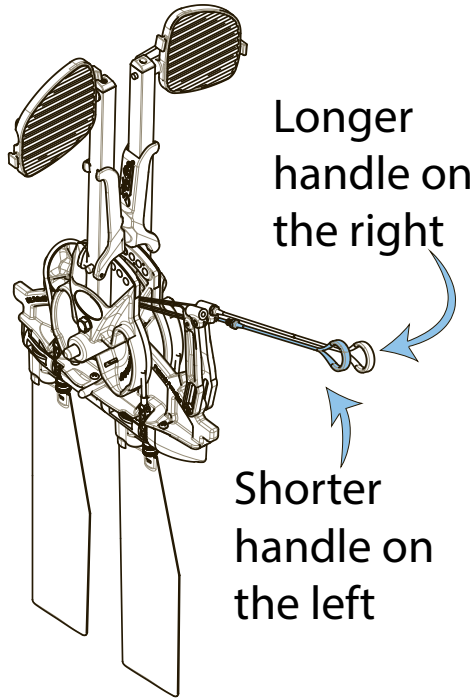
Tighten crank bolt all the way (snug not tight) using a 9/16" or 15mm wrench



FWD/REV Handle Installation

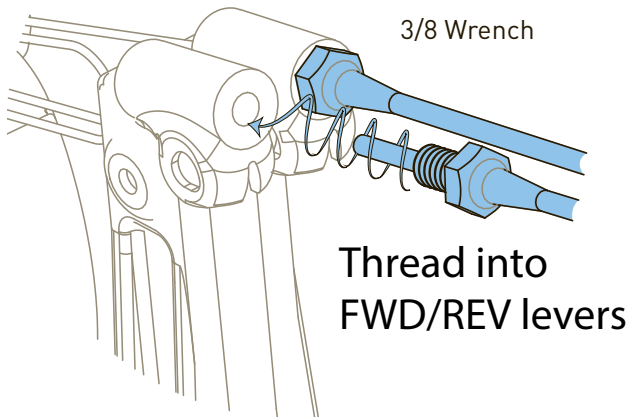
①

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



②

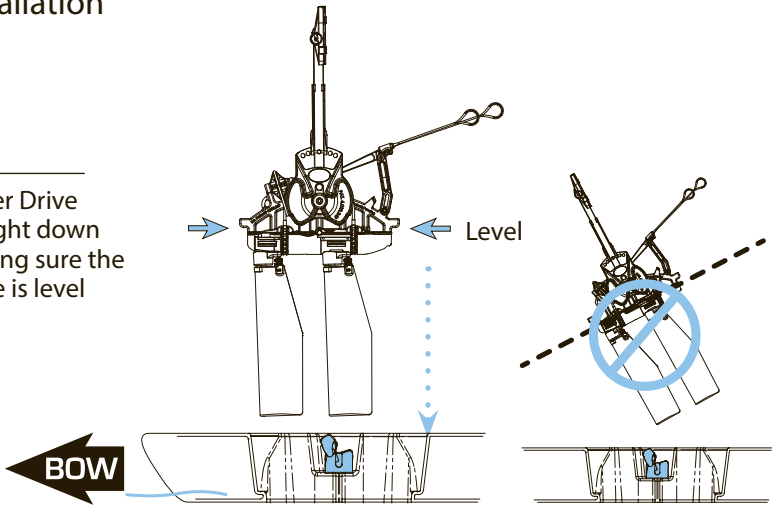
Screw in both pull handles into the levers on the MirageDrive using a 3/8" wrench



Installation

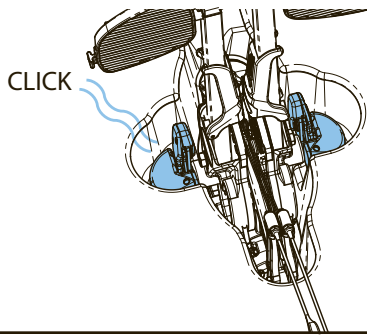
①

Lower Drive straight down making sure the spine is level



②

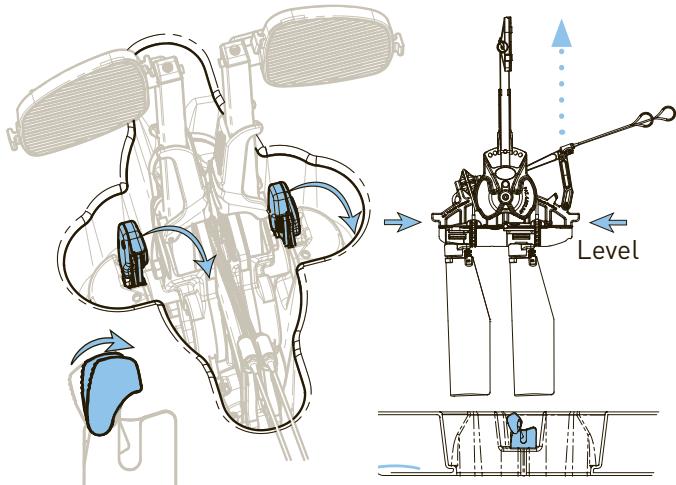
Press down and lock Drive into Click and Go's



Removal

①

Pull back each Click and Go lever



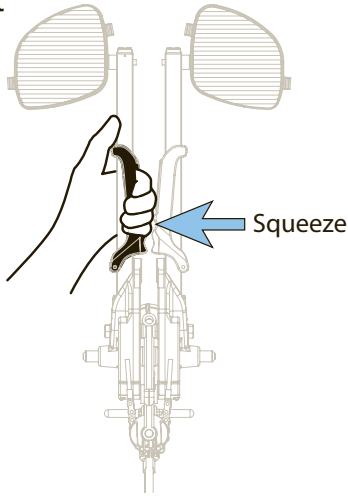
②

Lift Drive straight up

Pedal Adjustment

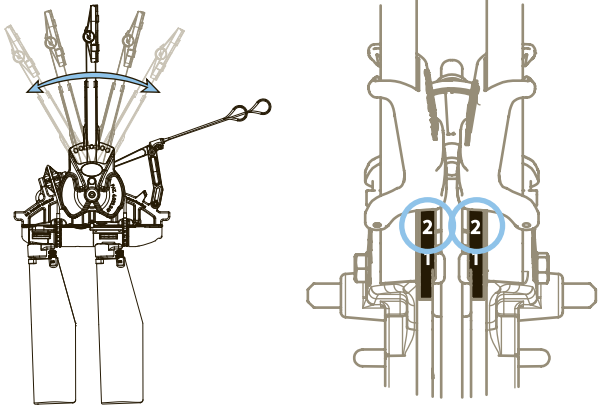
①

Squeeze adjuster handle



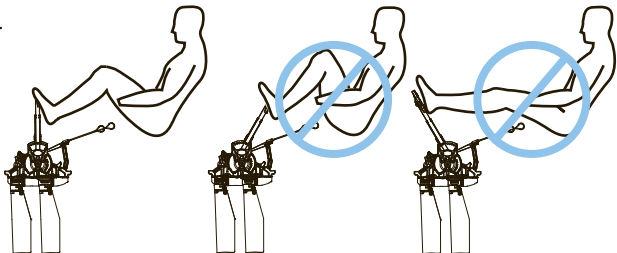
②

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

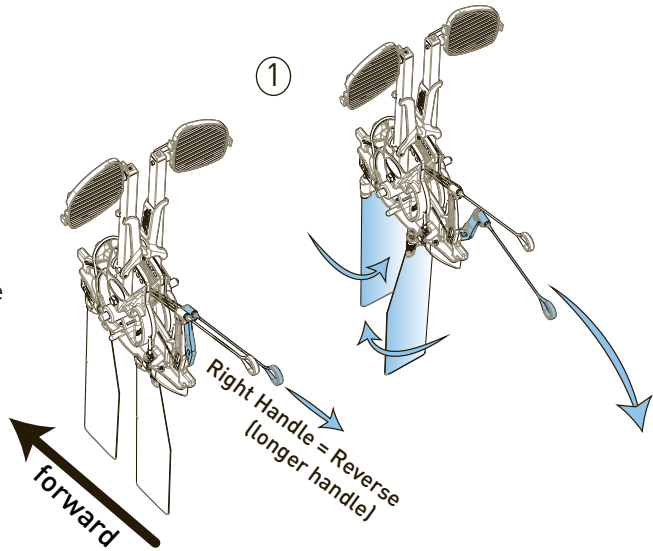
With both feet on the pedals together (fins straight down), your knees should be comfortably bent and not over-crunched or extended.



Reverse

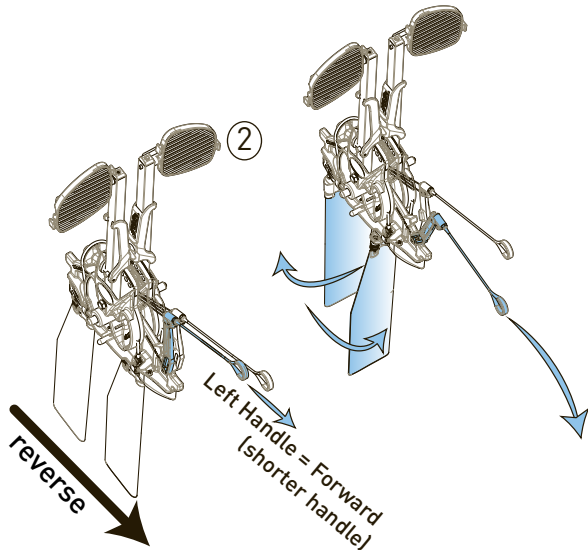
①

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



②

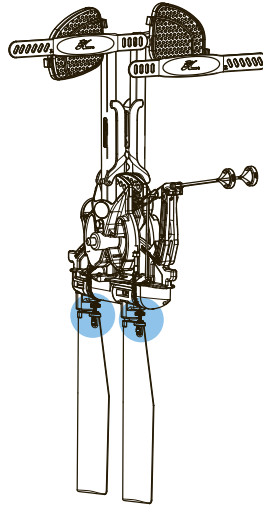
From the reverse position, pull the left handle to flip the drive into forward.



Pedaling Resistance

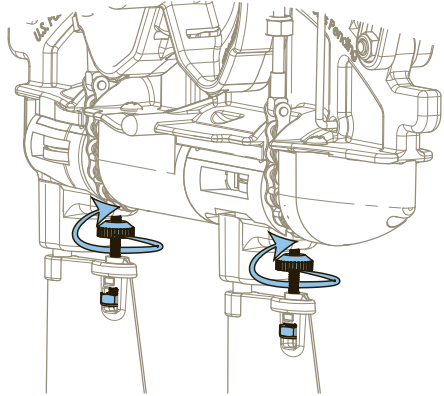
①

Locate the thumb knobs on the MirageDrive



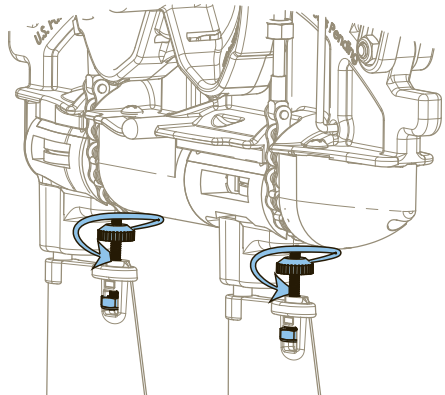
②

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

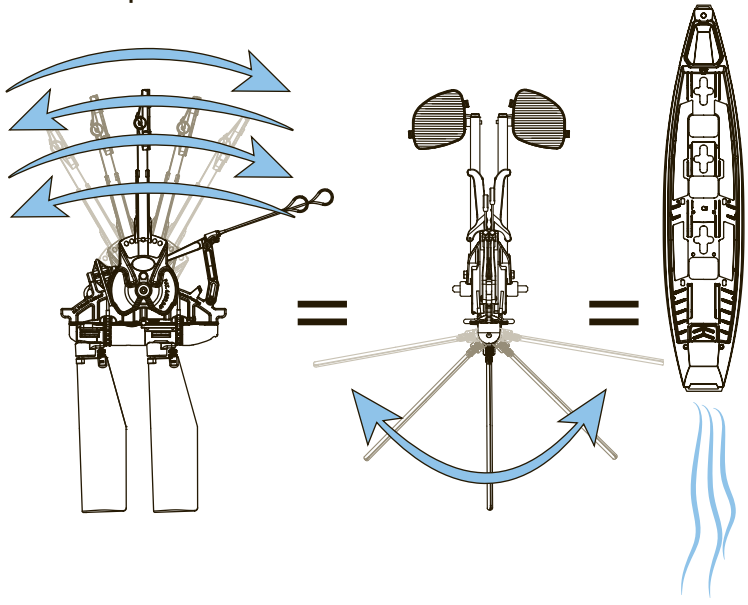


③

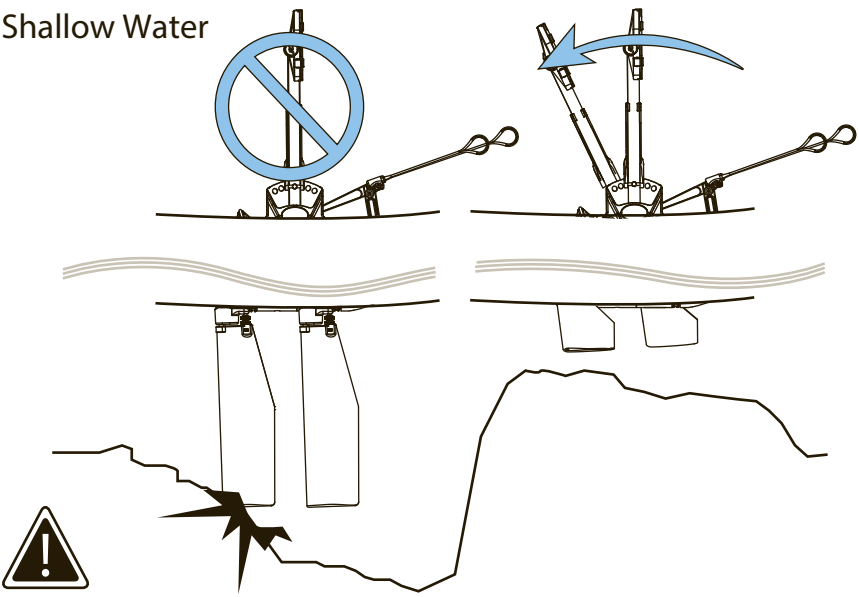
Turn the thumb knobs clockwise, to tighten the fin to the boom, increasing resistance on the fins when pedaling.



MirageDrive Operation

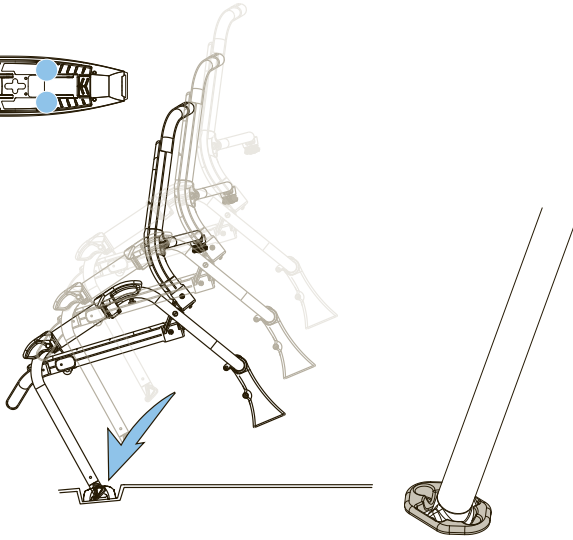
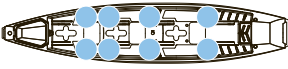


Shallow Water



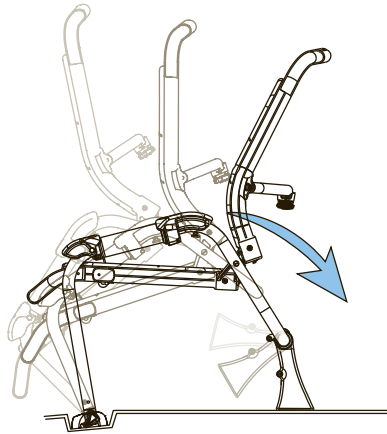
To raise fins in shallow water or when beaching, PUSH either pedal forward

Installation



①

Lock chair feet
to boat



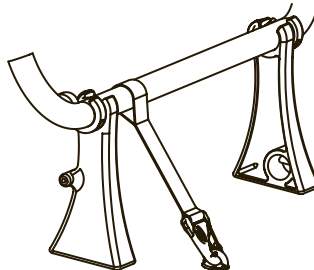
②

Pivot chair onto
kickstand



③

Hook seat safety
strap to the pad
eye behind the
seat

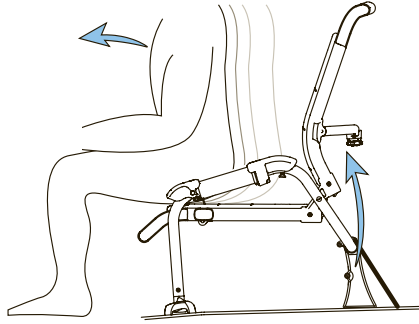


Lowering



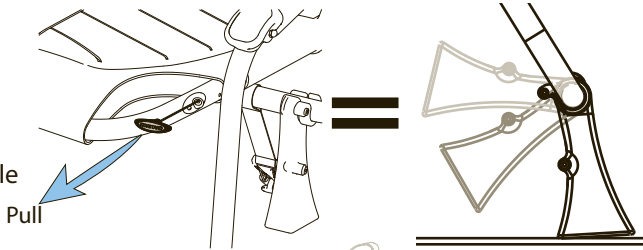
①

Shift weight forward and tilt seat up



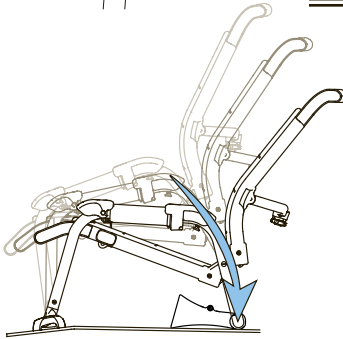
②

Pull and hold kickstand handle



③

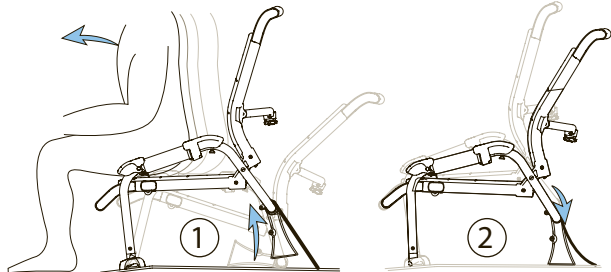
Lean back to lower seat



Raising

①

Shift weight forward and tilt seat up



②

Lean back to lower seat onto kickstand

Back and Bottom Adjustment



①

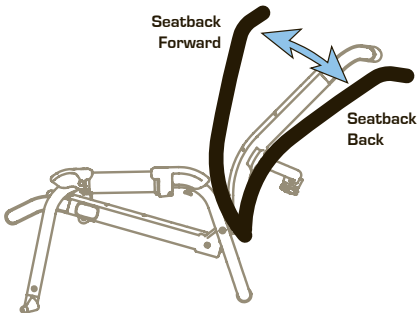
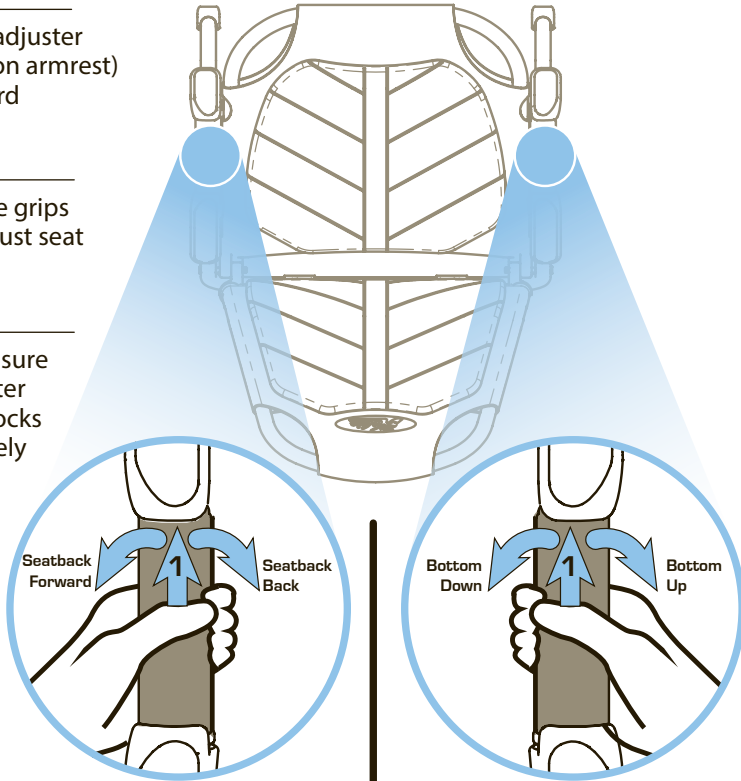
Slide adjuster grip (on armrest) forward

②

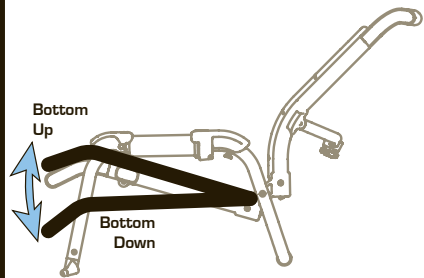
Rotate grips to adjust seat

③

Make sure adjuster grip locks securely

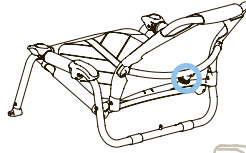


Lean forward to make seatback adjustment easier



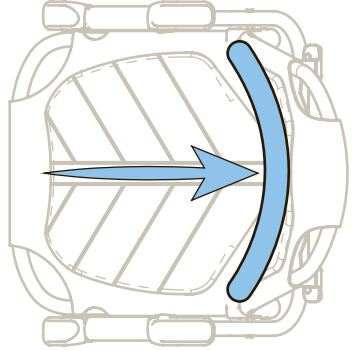
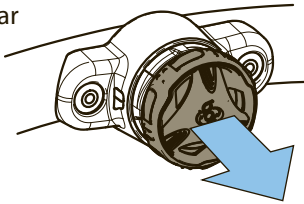
Ease weight off seat to make adjusting seat bottom easier

Lumbar Adjustment



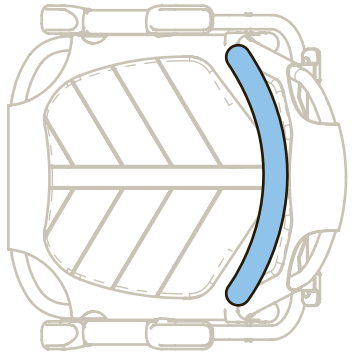
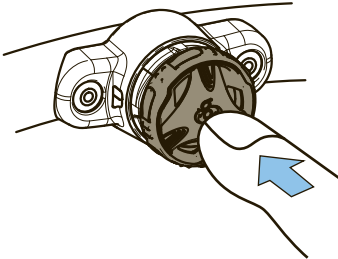
1

Pull knob to release lumbar



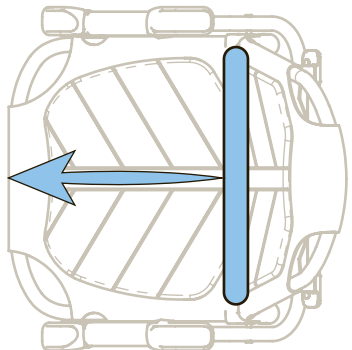
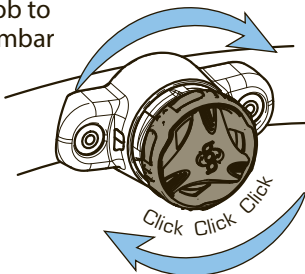
2

Press knob to lock lumbar

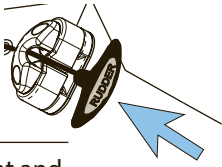


3

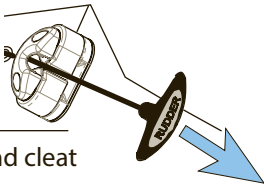
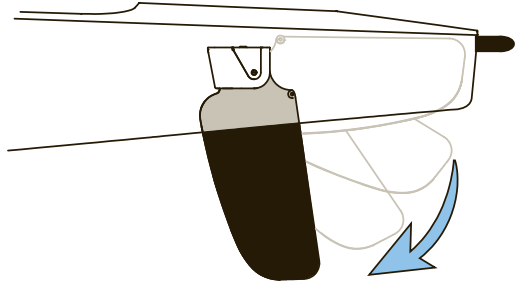
Rotate knob to tension lumbar



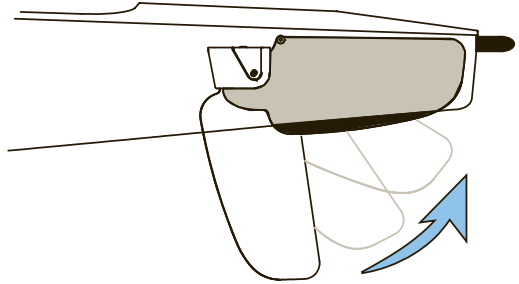
Rudder Down and Up



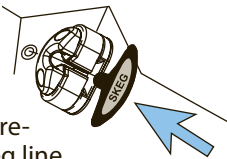
Uncleat and
release



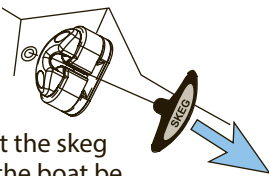
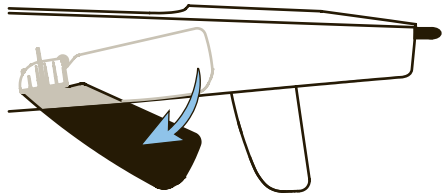
Pull and cleat



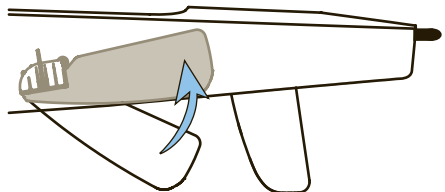
Skeg Operation



Uncleat and re-
lease 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

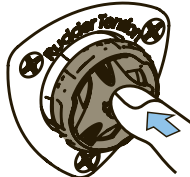
①

Pull knob to release rudder line



②

Press knob to lock rudder line



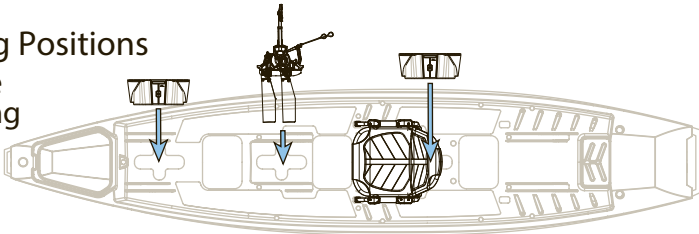
③

Rotate knob to tension rudder line

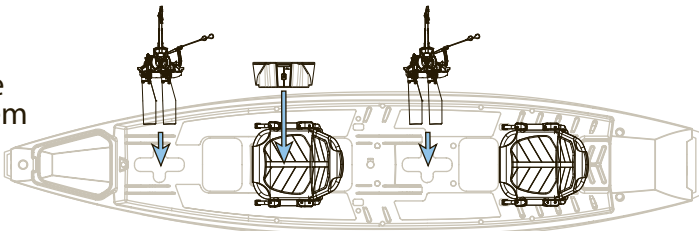


Seating Positions

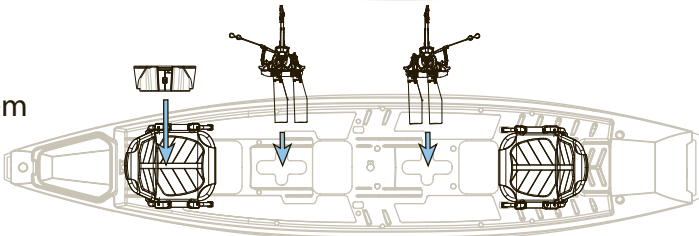
Single Seating



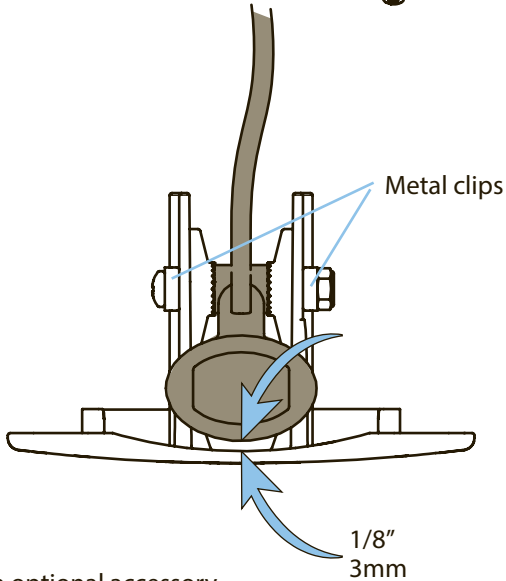
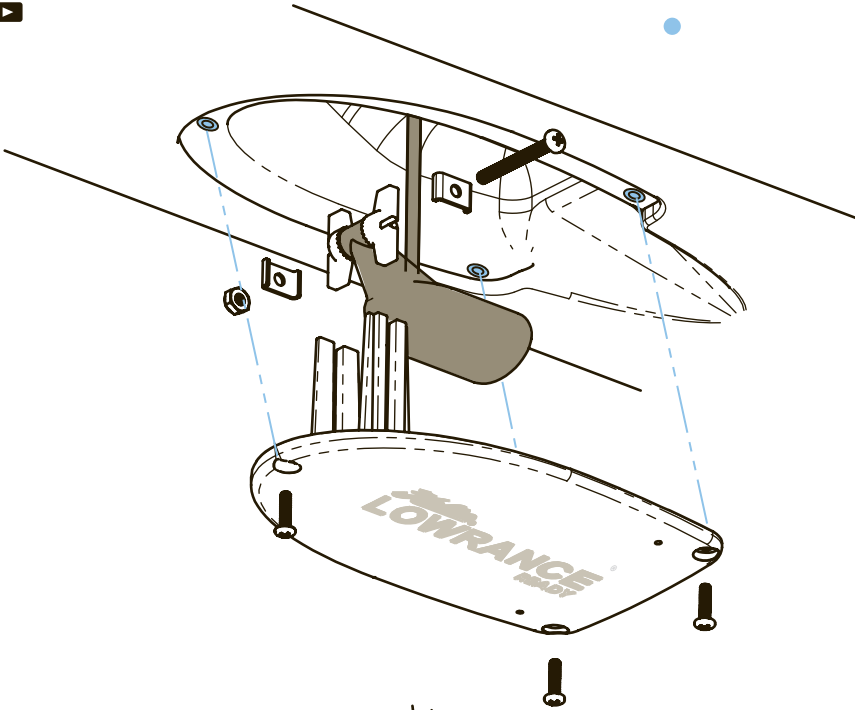
In-line Tandem



Social Tandem



Transducer Installation

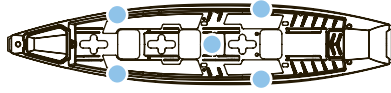


Transducer is an optional accessory and is not included with boat

Thru-Hull Plugs

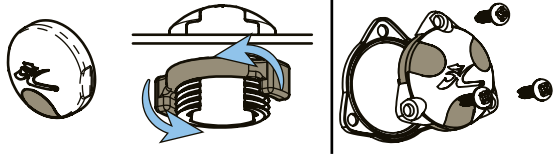
①

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



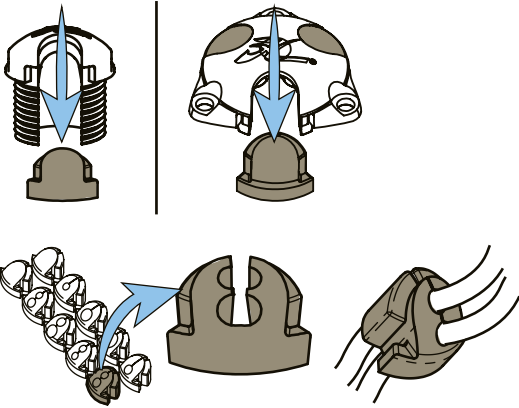
②

Remove the solid rubber plug



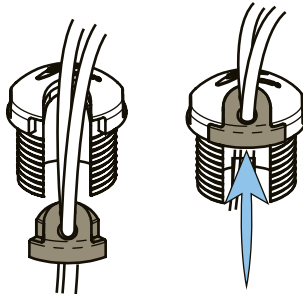
③

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



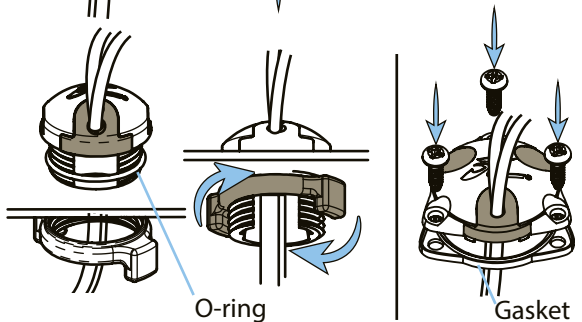
④

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



⑤

Screw the 3 way plug to the hull by hand. Do not over tighten. Bolt the thru-hull wire assembly to the hull using the nut, make sure the o-ring or gasket is installed

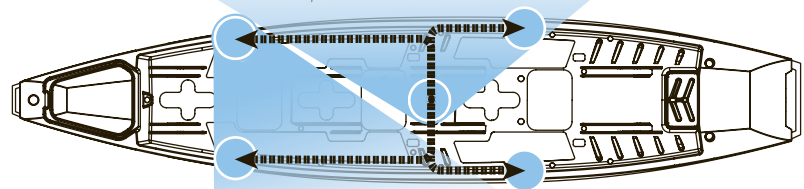
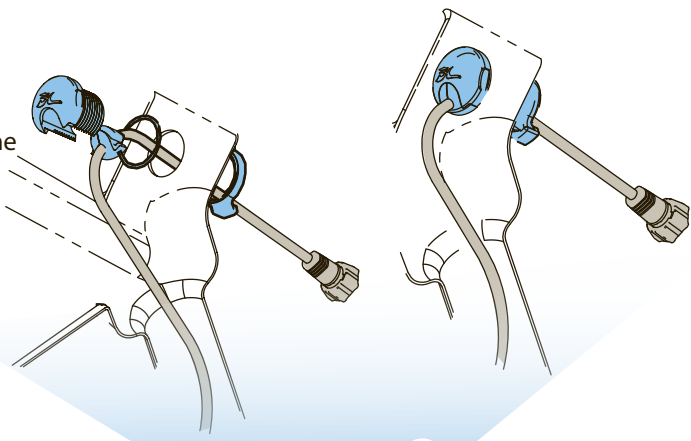


Wire Installation



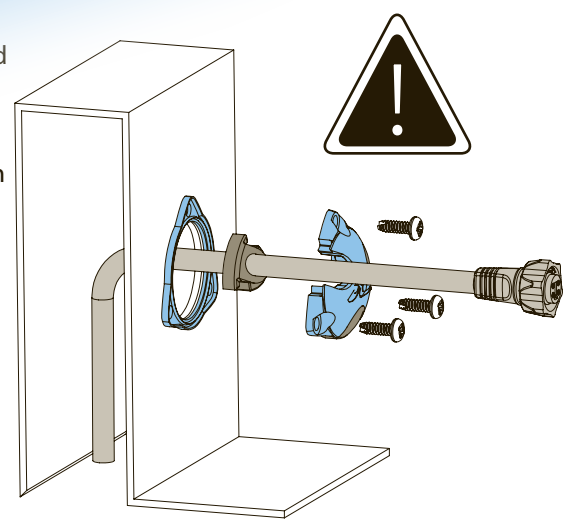
①

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



②

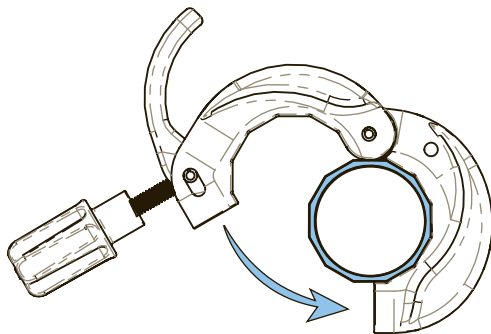
Lead the cable through the inside of the boat and exit the cable on either side of the boat and out through the thru-hull fitting. **DO NOT** overtighten the screws. Use a screwdriver or set your drill clutch on 2.



Clamping

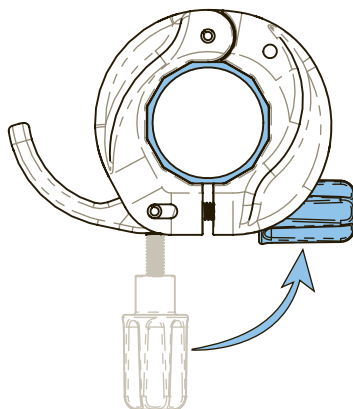
①

Clamp accessory
around H-Rail Tube



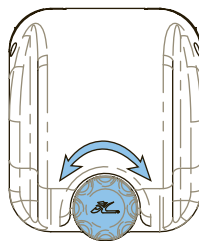
②

Lock tension knob



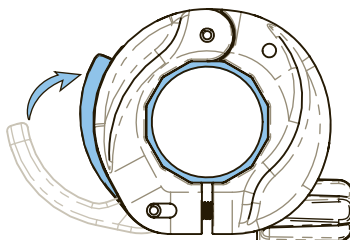
③

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

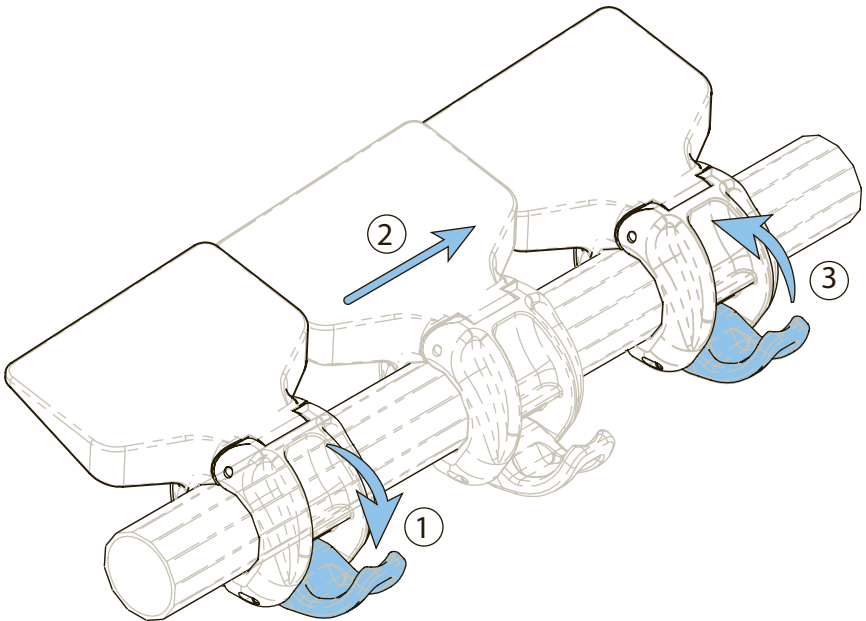
Unlock lever

②

Slide to new position
and lock lever

③

Lock lever

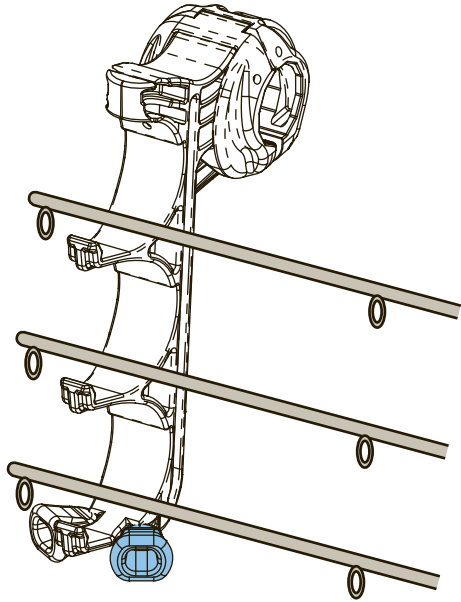


Rod Rack Retainer

During launch or transport, you may want to keep your rods held in place using the horizontal rod rack

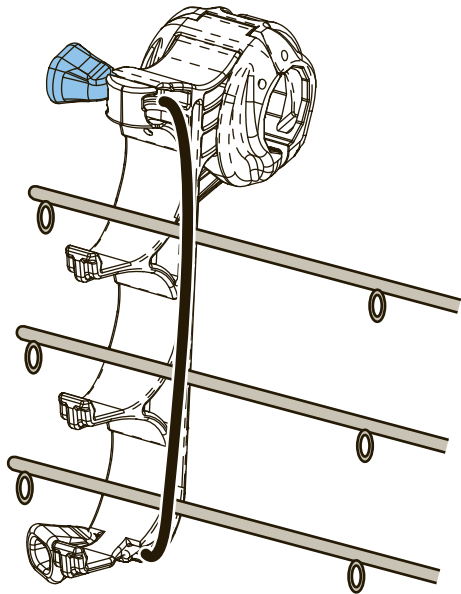
①

Lay your rods in the holders



②

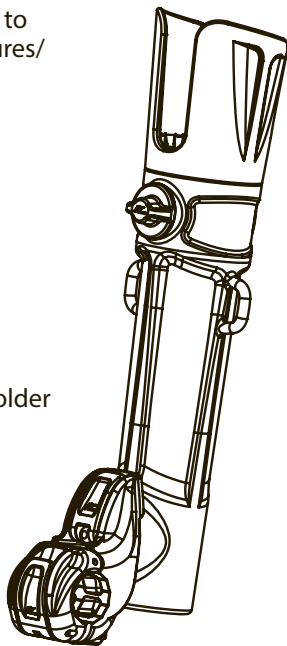
Stretch the bungee over the rods and hook at the top



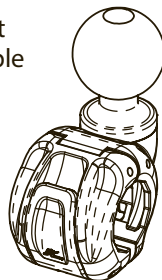
Additional Accessories (Not included with boat)

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

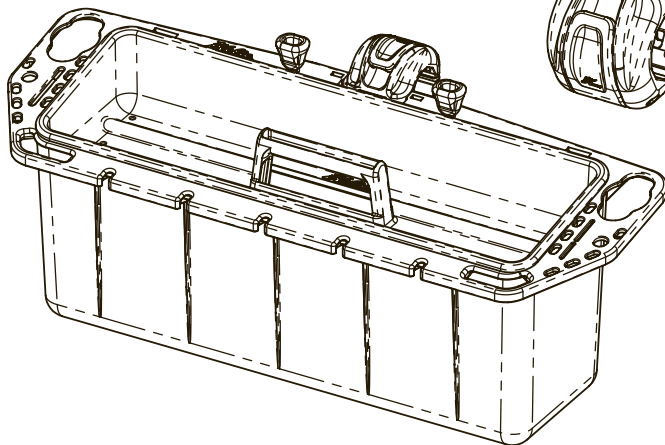
Rod Holder



Ram Ball Mount
1" and 1.5" available



Tackle/Tool Box



Storage Recommendations

Storing your boat upright with properly fitting cradles is most advised

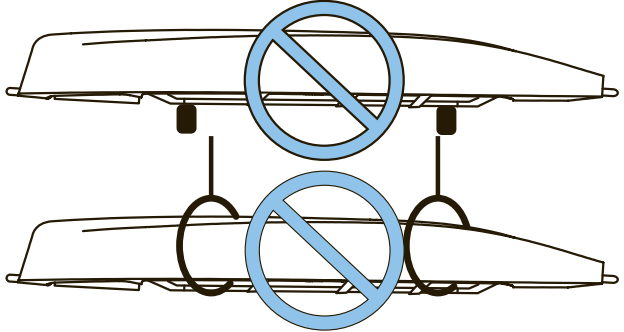


Storing your boat upright on a flat surface is acceptable

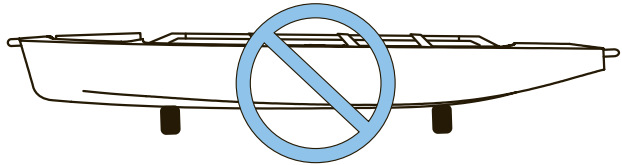


Storage Don'ts

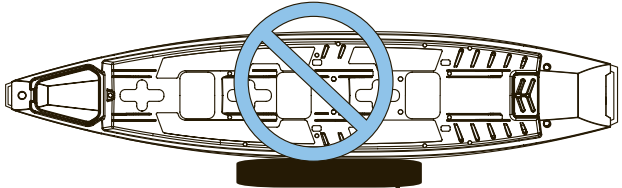
Storing your boat upside down on the H-Rails or hanging from strapping may bend the gunwales



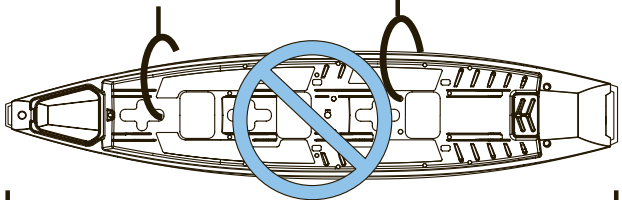
Storing your boat cockpit side up on crossbars can dent the bottom



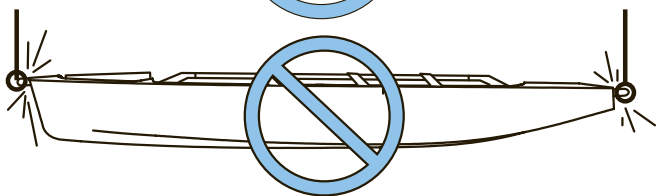
Storing your boat on its side over a long period of time can flatten/dent the sides



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

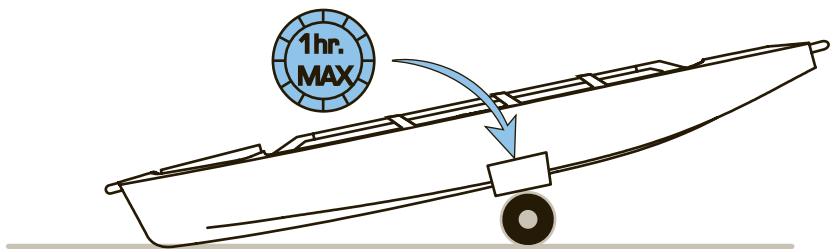


Additional Storage Key Points

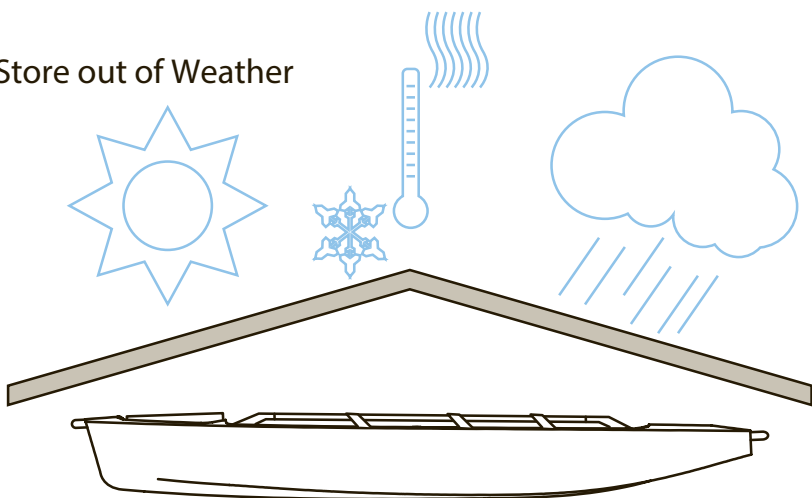
- Always open drain plugs and remove all water from boat
- Don't leave tie-down straps tight over a long period of time
- Storing in non-recommended configurations can result in hull damage and can void your warranty
- Never hang from handles or padeyes

Dolly

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



Store out of Weather



Check hobie fishing.com for optional storage covers.

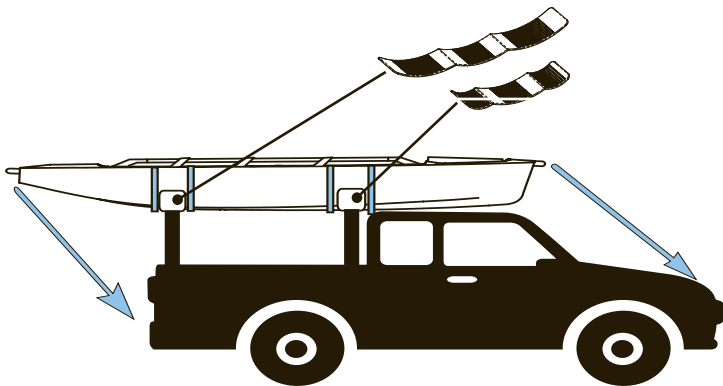
The best way to transport your boat is to purchase a trailer from your dealer. Using proper cradles that support the hull, the boat can be transported right side up. Straps can be passed over the deck and under the H-Rails and tied to the load bars. Straps should be tight, but not so tight that they distort the shape of the boat. Avoid using ratchet straps to prevent overtightening.



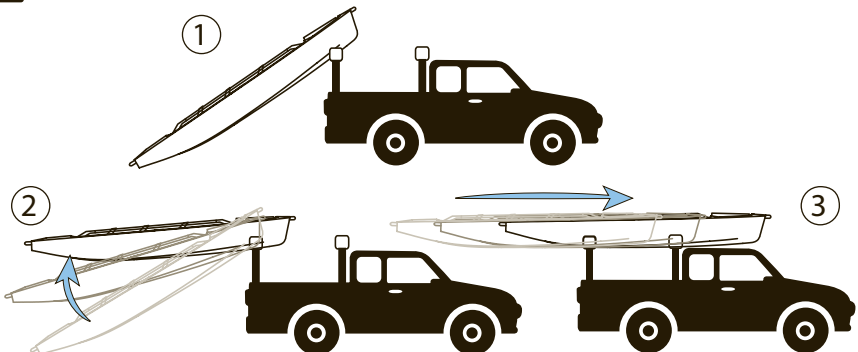
Be sure to first consult your car and roof rack owner's manual to ensure that you comply with all of their recommendations, precautions and specifications.

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.)

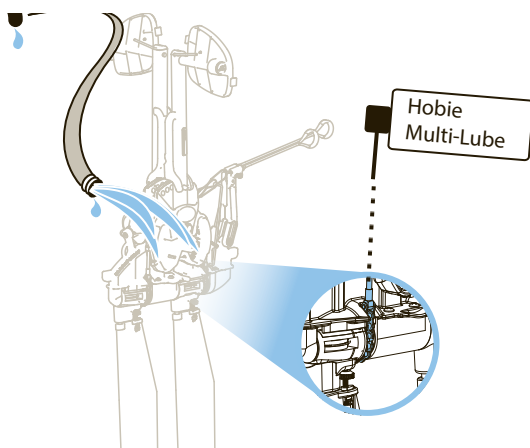


Pro Angler Roof Topping Technique

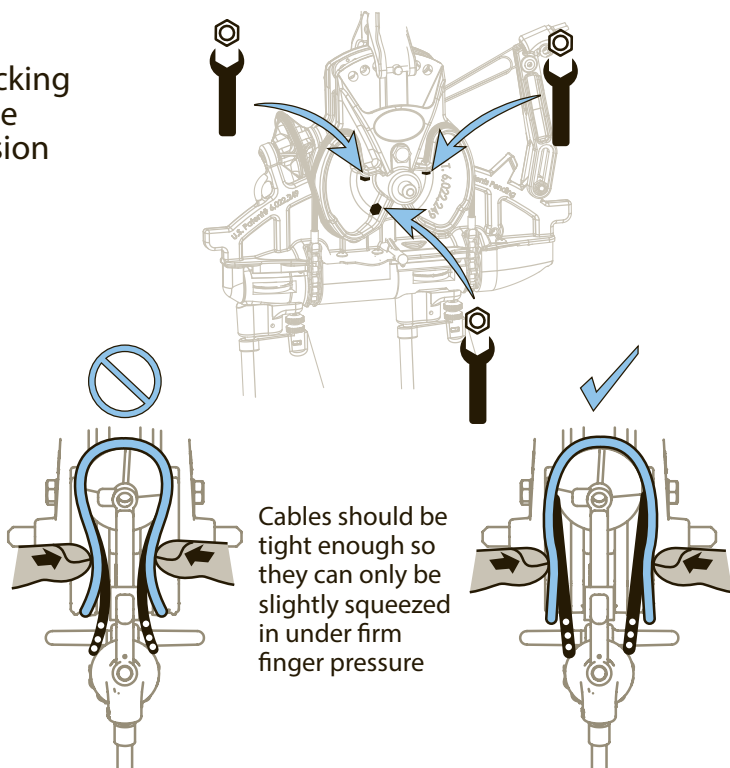


MirageDrive Regular Maintenance

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

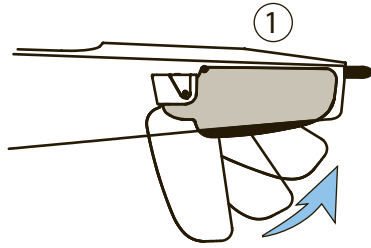


Visit the support section at hobiefishing.com for information on the MirageDrive.

Rudder Tuning

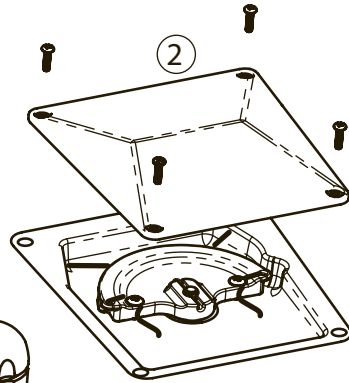
①

Pull up rudder



②

Remove rudder cover

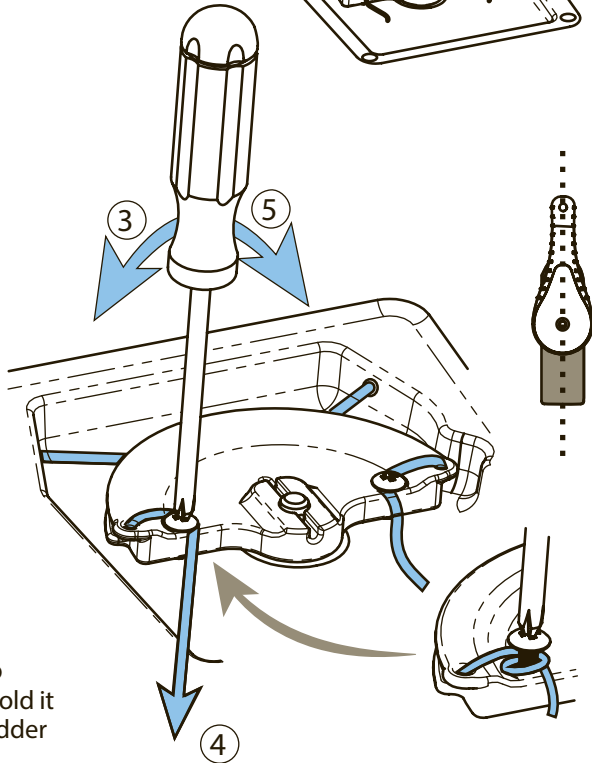


③

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.

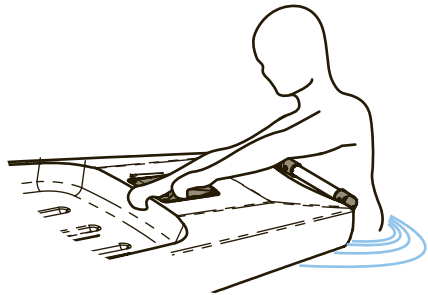
Shakedown Cruise

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)

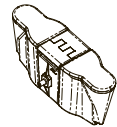
Getting into your Boat

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

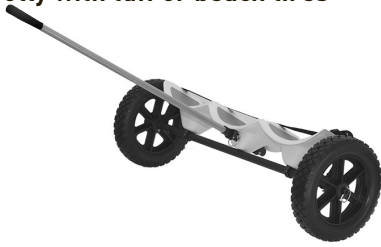


If you have a problem or question with your Hobie product, please see your Authorized Hobie Kayak Dealer. They will be able to assess the problem, assist with a repair and file a warranty claim with Hobie Cat Company if needed. All warranty claims must go through your Authorized Hobie Kayak Dealer. The 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!

Dolly with tuff or beach tires



Pro Angler 17T Cover



Trolling Motor Bracket



MotorGuide XI5 Trolling Motor



Hobie Livewell XL



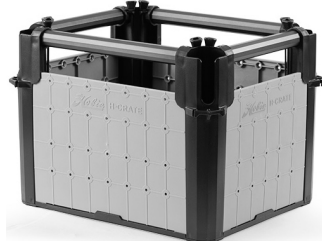
PFD



Hobie Multi-Lube



Hobie H-Crate



For more accessories see:
<http://www.hobiefishing.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

Hobie Cat Europe

Subsidiary
Toulon, France
+33(0)494 08 78 78
hobie-cat.net

Hobie Kayak Europe

Independent Distributor
Stellendam, The Netherlands
+31(0)187 499 440
hobie-kayak.com

Hobie Cat Brasil

Independent Distributor
Porto Belo, Santa Catarina, Brazil
+55 (21) 3942 6815
hobiecat.com.br