



REEL YAKS

Assembly Instructions

Raptor

9.5ft Modular Propeller Drive Pedal Fishing Kayak
380lbs Capacity | 2 Piece



Our Commitment

Congratulations on buying your Reel Yaks pedal kayak! We want you to love your kayak as much as we do. If you have any questions on your Reel Yaks kayak assembly, then please email us at info@reelyaks.com or call us on 855 202 5035. Note we also have assembly videos on our website at WWW.REELYAKS.COM and on YouTube. If you run into any other issues, no matter how small, let us know and we'll take care of you.

Don't forget to fill out the **warranty form** on our website at www.reelyaks.com/pages/warranty-registration

If you are looking for any accessories to go with your Reel Yaks kayak such as a trolling mount, bimini, etc. then please visit us at WWW.REELYAKS.COM

Unboxing your Kayak

1

The kayak halves will come wrapped in a storage cover and some parts may be in cardboard boxes or plastic bags or bubble wrap (e.g. pedal drive). Please ensure to dispose of these packing materials safely, in particular the plastic.



2

Each package will have:

- 1 x kayak (in two sections)
- 1 x rudder
- 1 x rudder security (cotter) pin
- 1 x paddle (in two sections)
- 1 x propeller pedal drive unit
- 1 x set of pedals (2)
- 1 x stadium chair
- 1 x fishing rod holder
- 2 x side carry handles, on the front section (attached to the accessory rails)
- 4 x accessory rail sliders

The larger items will be secured in the main cockpit area: pedal drive unit, pedal drive pedals, paddle and stadium chair. Others like the fishing rod holder will be inside the cockpit hatch.

7 Assembly Steps

There are **seven key pieces** of assembly to be done:

1. Kayak halves
2. Rudder
3. Fishing Rod Holder
4. Front Carry Handles
5. Stadium Chair
6. Paddle
7. Pedal Drive



1. Kayak Assembly

1

For the kayak assembly ensure you have the two halves facing each other. Lift the rear section so that the lip of the rear overlaps the front half lip and then push down firmly on both sides.



2

When this is done your kayak should be evenly aligned on both sides.



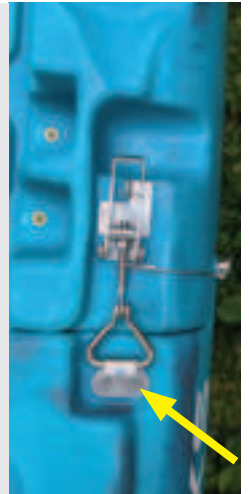
3

Next close the latches on both sides. The latches should be set correctly for your kayak, but if you find you're having to force it then stop. Adjust the nut (orange arrow) to get a firm lock closure, but not without forcing it.



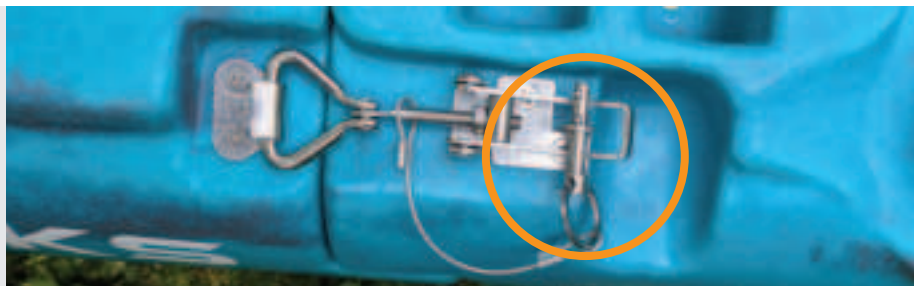
4

If it's too loose then adjust the nut accordingly to get a good firm fit. Forcing the latch closed for an overly tight fit can damage the screws unnecessarily (yellow arrow) on the adjoining catch.



5

Lastly insert the safety pin into the latch to prevent it from opening unexpectedly. The pin has two notches on it, insert it behind the second notch.



2. Rudder Assembly

Steering Part

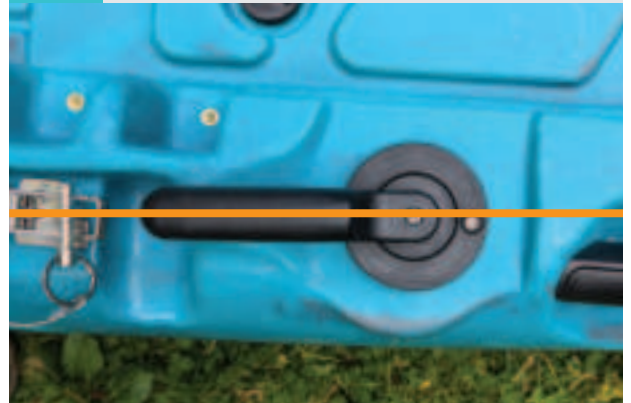
1

The base of the rudder steering mechanism is located to the left of the seat. The rudder handle needs to be properly mounted and aligned with the base, before tightening with the single screw provided.



2

Ensure that your rudder steering handle is in a neutral position with the handle parallel to the centre line of the kayak.



3

Put the pin of the rudder through the rear hole in the kayak.



4

Thread the security ring through the hole at the bottom of the rudder pin.



5

Next unwind the butterfly nuts and put them through the plastic holes on either side of the rudder and tighten the butterfly nuts again.



6

Check that your rudder is centered: adjust the wing nuts as needed.



2. Rudder Assembly *continued*

Lifting Part

7

Next grab hold of the rudder steering handle on the left side of the kayak near where the seat would be located. Pull the rudder handle all the way left and then all the way right, to ensure the rudder is tracking correctly, adjust the butterfly nuts as needed. Leave the rudder steering in the approximate centre spot. The steering wires should have a little bit of slack for ease of turning and to ensure minimal wear and tear where they enter the kayak.



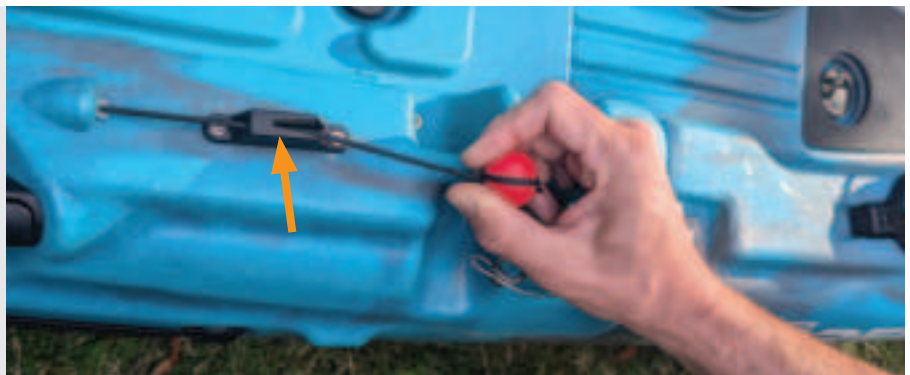
8

The red ball and string to the right of the seat is for raising and lowering the rudder. Release the red ball and string from the cleat. Then untie the rudder rope at the back of the kayak, you'll need to thread the rudder rope through the main hole at the start of the rudder (orange arrow) and down through the gap (blue arrow). Then thread it around the right side of the rudder and through the hole at the top of the rudder (yellow arrows) and tie a knot.



9

In order to test the lowering of the rudder unlock the rudder string and pull the red ball to the right of the seat. You need to lock the string in the V of the cleat to keep the rudder in a down position.



3. Fishing Rod Holder Assembly

1

The rod holder base is already installed at the front of the kayak, in front of the pedals. If you wish to move the rod holder base to the side rails, you will need an Allen key to remove the 2 screws.



2

You can then choose which side rail to place the rod base holder and how far along the rail you want it mounted. Align two of the accessory rail sliders beneath the rod base holder and then mount in the 2 screws for the rod base holder into the sliders.



3

Next insert the fishing rod holder into the now secure base by 'opening' the base as indicated below (orange arrow). Next close the slider to lock the fishing rod holder in place (yellow arrow).



4. Front Carry Handles Adjustment

1

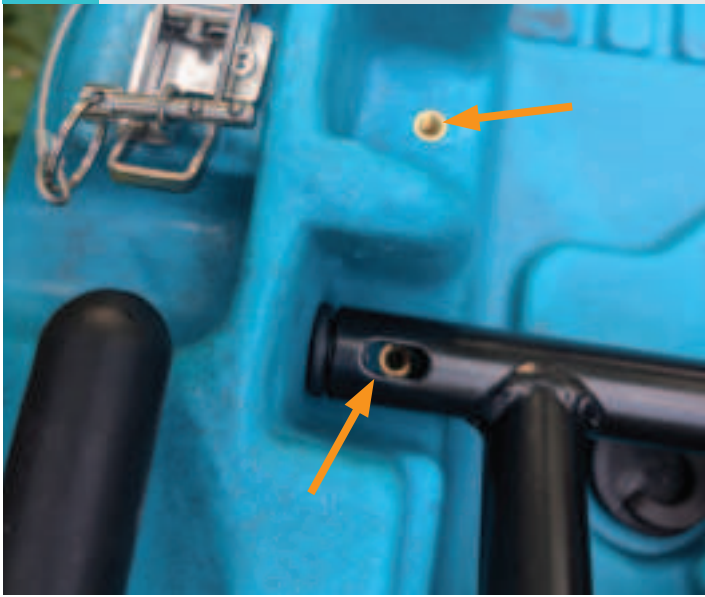
The kayak comes with side handles for both the front and rear section to make it easier to carry your kayak in two pieces. The rear handles are molded into the kayak body and the front side handles are located in the accessory rails. The front rails are easy to attach if they are not already. Simply insert the two screws into two of the rail sliders and tighten with an Allen key. These handles can also help you to pull yourself to a standing position to fish.



5. Stadium Chair Assembly

1

Your stadium chair should be pre-installed in the front of the two seating option locations (orange arrows). If you're 5.8' and under then we recommend keeping it there to start with, if you're over 5.8 in height then move it to the rear seating location. You can easily adjust the seat at the water's edge if either of these positions isn't optimal for you. Also remember that the pedals on the pedal drive are adjustable for leg length so you have two items you can move to get the best pedaling position for you. Use the two screw bolts to secure the front of the seat (yellow arrow) left and right side. There are no screw bolts for the back seat rail.



6. Paddle Assembly

1

The paddle assembly is super simple, just depress the button and pop it into the desired hold (3 locations to choose from) to get the preferred orientation of your blades.



2

Then use the paddle stretch cord to secure it. Remember not to leave it attached like that when the kayak is travelling on your car or truck.



7. Pedal Drive Assembly

1

For the propeller drive assembly there are a number of pieces that need to be assembled. First step is to find the two screws with black tops. These secure the pedals to the drive. The screws thread for each screw run counter/opposite to each other. Pick up the drive and check each screw to find which side they each fit to, be careful not to force the screws and strip the threads. The screws can only fit into one side.



2

Once you know which side they fit in then select a pedal these will have a label L for left and R for right. Choose R for right pedal, and with the pin for the propeller shaft pointing towards you secure the right pedal to the right side. Do the same for the left, making sure the left pedal is at the top when the right pedal is at the bottom so they are the complete opposite sides from each other (orange arrows).



3

Next, you will need to secure the propeller to the drive. Find the propeller shaft pin and push it into the propeller drive (blue arrow), there are two marks on the pin to help you center the shaft (orange arrows).



7. Pedal Drive Assembly *continued*

4

Once this is in place, put the propeller onto the drive. You will need to gently rotate the propeller until it drops into place and locks over the shaft pin. To test you have this right, move the pedals and the propeller should now start to spin. Open the little plastic bag with the screw and lock washer. Place the lock washer onto the screw and screw this into place to secure the propeller to the drive.



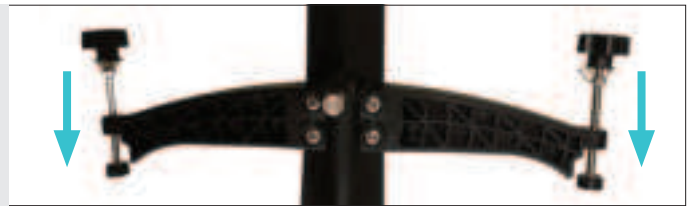
5

Now grab the 4 long screws with nuts on the end. Take each of the 4 nuts off and push them into the 2 plastic curved arms with the blue side up. You'll see that on one side they have a hexagonal shape where the nuts sits. Push the nuts into there with your thumb and then use a hammer to gently secure them in place.



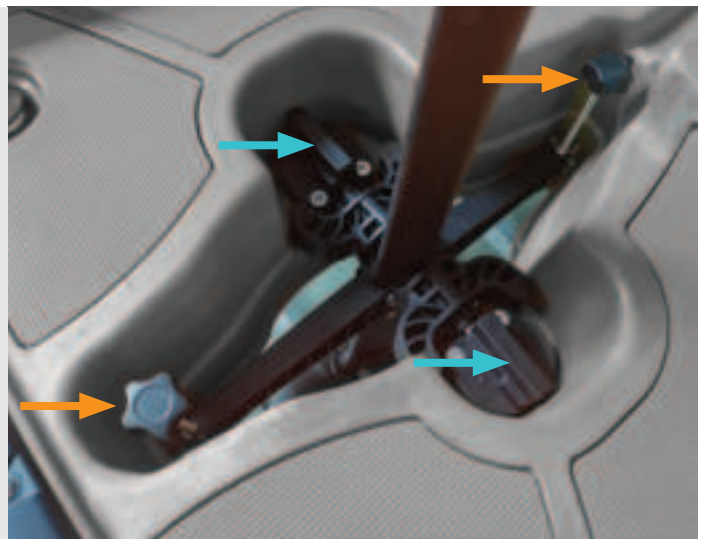
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Then secure the arms to the drive shaft with the curve pointing down towards the propeller (blue arrows) by screwing in the 4 screws into the nuts through the drive shaft.



7

The drive is then locked into place. Make sure that the propeller is pointing to the seating area. Ensure the front and back knobs (orange arrows) are screwed all the way up before inserting the drive. The drop the drive in and twist locking handles on the left and right (blue arrows). Next gently and evenly twist the front and back knobs (orange arrows) until they are firm and prevent the drive from rocking forward and back. Be careful not to overtighten these!



8

Once this is complete and the drive is secure, there should be no side to side or forward and back motion in the drive. You'll now add the splash guards around the drive. Gently push these into place until they are flush with the deck.



Note

When beaching the kayak remove the propeller drive prior and be careful when dragging the kayak up the beach.

Kayak Accessories

If you are looking for any accessories to go with your Reel Yaks kayak or spare parts please visit us at WWW.REELYAKS.COM

Foldable Cart



With No-Flat Airless
Wheels and
2 Ratchet Straps

Pedal Drive Locks



Non-spring loaded
cam locks

Fishing Rod Holder



Universal fit, works
flawlessly with
spinning and
casting reels
– 360-degree
rotating collar

Stabilizers



Easy to inflate and
deflate in seconds

Bixpy Trolling Motor & Battery



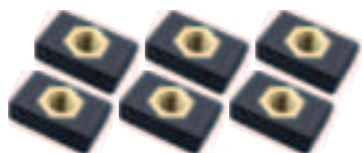
No drilling, no hassle –
add the power of a
trolling motor to your
kayak with clean
electric power

Trolling Motor Mount Bar



Corrosion-resistant
stainless steel for
rigidity and durability
– securely attached to
the gunwales

Rail Slider Mounts



Nylon Copper
M6 nut nutsert
– high strength,
anti-rust and
corrosion resistant

Pedal Drive Cover



Can be used for
the Raptor, Radar,
Rapido, Rubicon
and Ranger models