

9.5ft Raptor Propeller Drive Kayak Assembly Booklet

Congratulations on buying your Reel Yaks pedal kayak!! Note we also have assembly videos on our website at Reelyaks.com and on YouTube. 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.

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

- 2 x Kayak halves
- Pedal drive
- Rudder
- Stadium seat
- Paddle
- Fishing rod holder

First step is to unpack your kayak which should come in two boxes and the kayak parts will have an outer sheet of bubble wrap, and some parts will be in cardboard boxes (e.g.: pedal drive). Please ensure to dispose of these materials safely in particular the plastic.



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 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

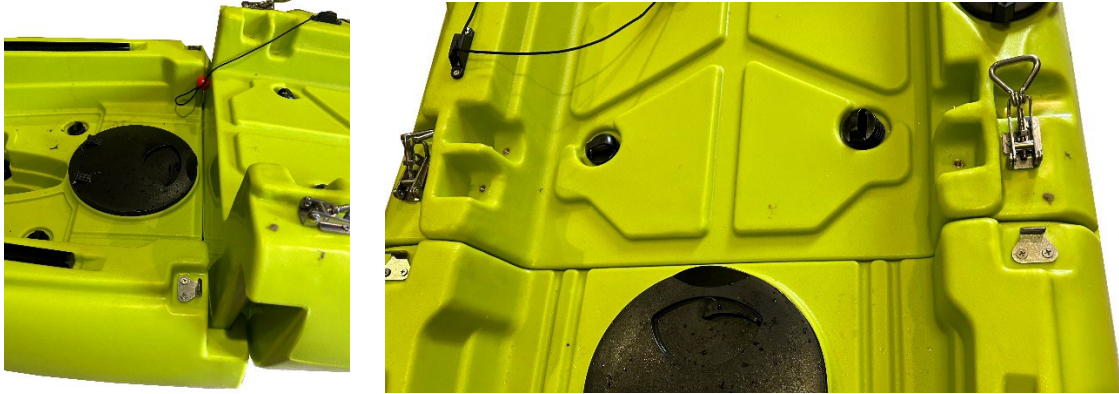
The larger items will be secured in the main cockpit area: pedal drive unit, pedal drive pedals, paddle and stadium chair. Others like the fishing rod holder will be inside the cockpit hatch.

Kayak Assembly

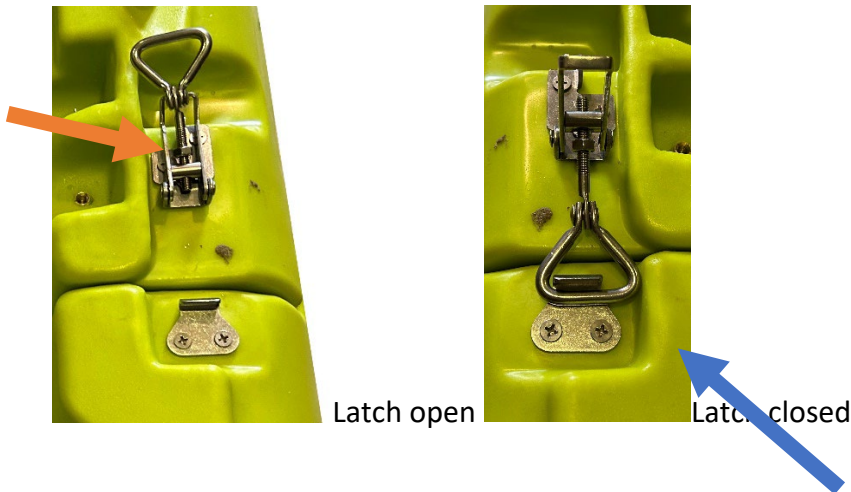
For the kayak assembly ensure you have the two halves facing each other. Lift the rear

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section so that the lip of the rear overlaps the front half lip and then push down firmly on both sides. When this is done your kayak should be evenly aligned on both sides.

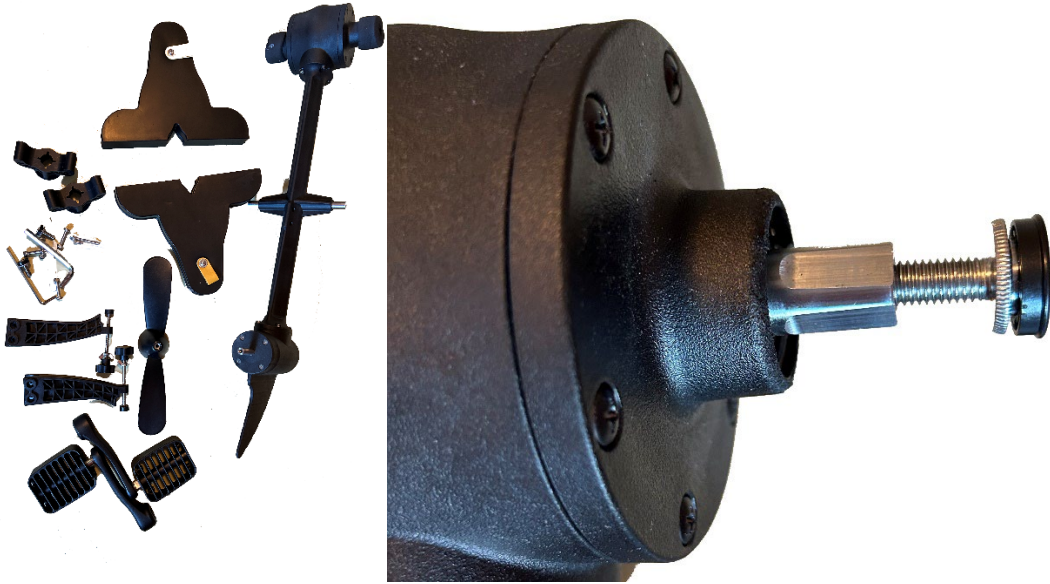


Next close the latches on both sides. The latches should be set correctly for your kayak, but if you find you're having to force it then stop. Adjust the nut (**orange arrow**) to get a firm lock closure, but not without forcing it. If it's too loose then adjust the nut accordingly to get a good firm fit. Forcing the latch closed for an overly tight fit can damage the screws unnecessarily (**blue arrow**) on the adjoining catch.



Pedal Drive Assembly

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**.

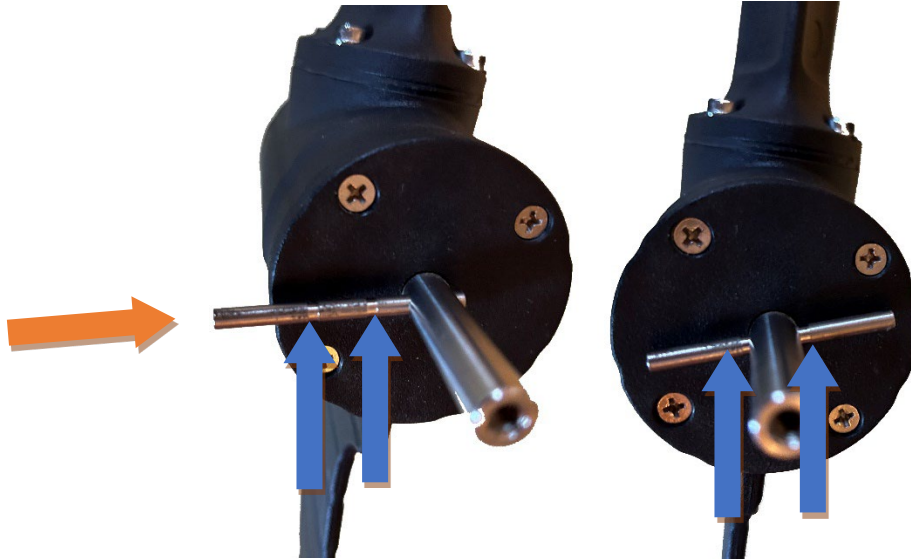


Once you know which side they fit in then select a pedal these will have a label L for left and R for right. Choose R for right pedal, and with the pin for the propeller shaft pointing towards you secure the right pedal to the right side. Do the same for the left, making sure the left pedal is at the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

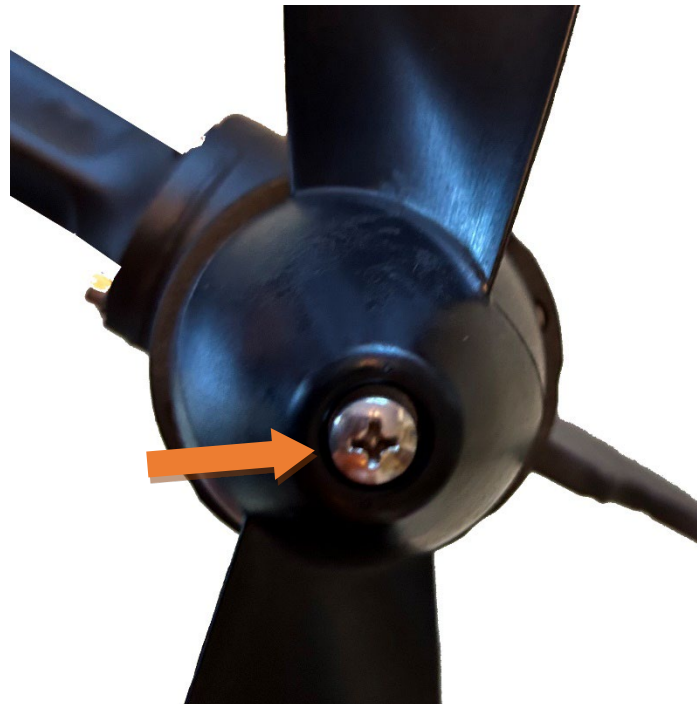


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Next, we are going to secure the propeller to the drive. Find the propeller shaft pin and push it into the propeller drive (**Orange arrow**), there are two marks on the pin to help you center the shaft (**Blue arrows**).



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.



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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.

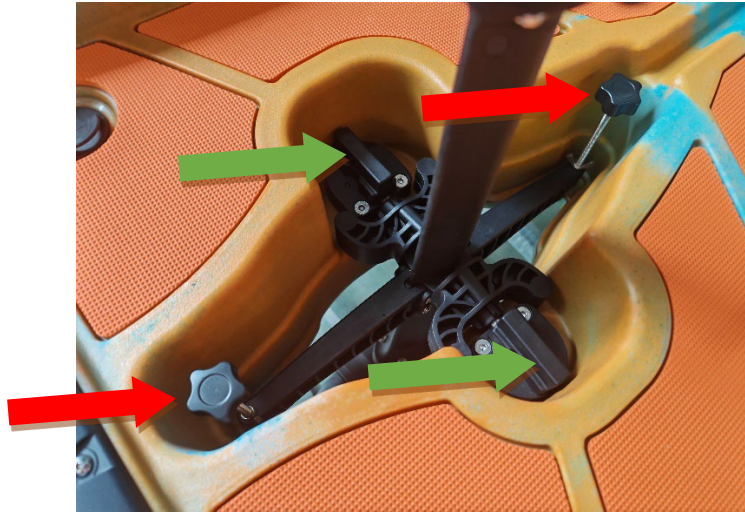


Then secure the arms to the drive shaft with the curve pointing down towards the propeller (Blue arrows) by screwing in the 4 screws into the nuts through the drive shaft.

Dependent on the kayak model – some bigger kayaks (+10ft) provide more space to provide an additional locking brackets (Green arrows) that are pushed onto either side of the shaft. If you fit these and then the drive doesn't fit into the recess well then don't be concerned, these can be removed and you can use the drive without them.



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

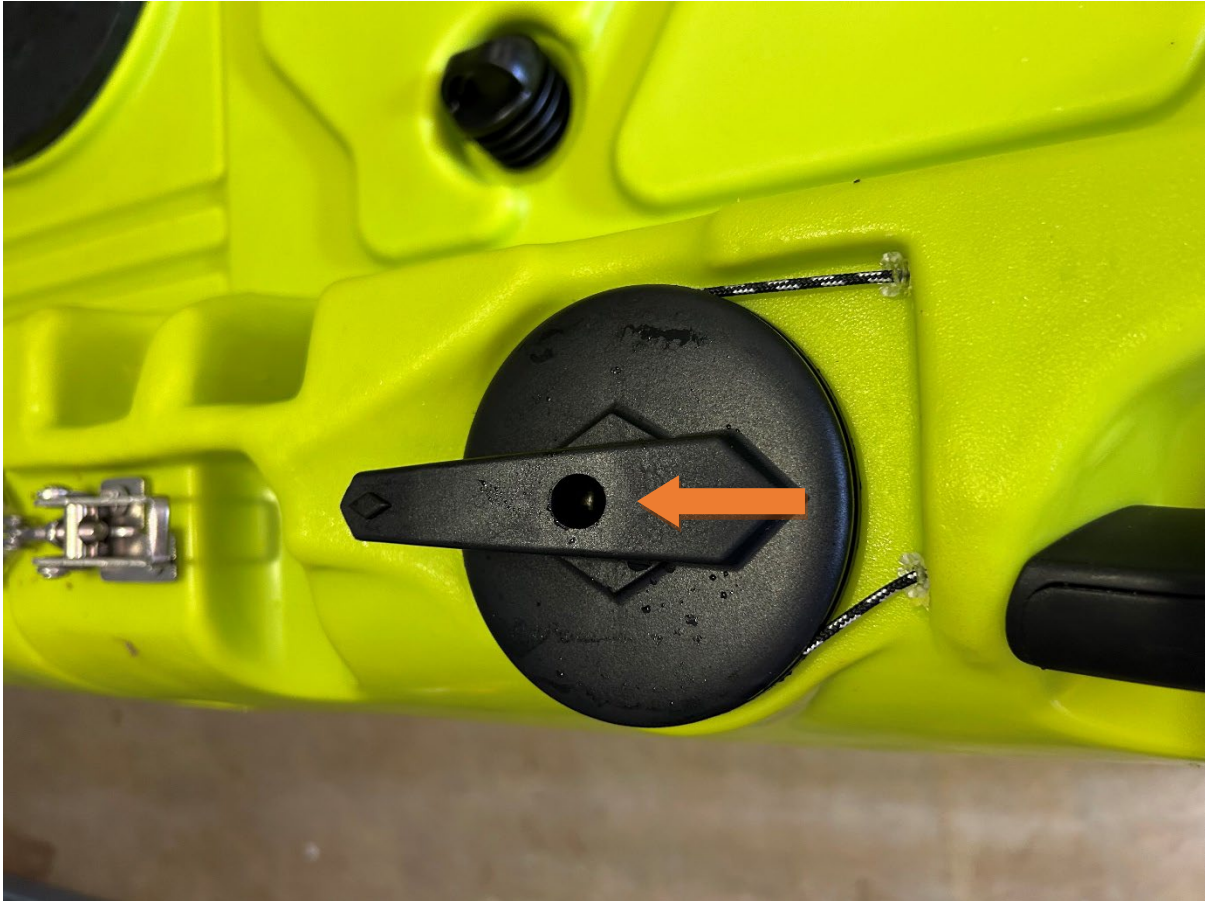


Once this is complete and the drive is secure, there should be no side to side or forward and back motion in the drive. You'll now add the splash guards around the drive. Gently push these into place until they are flush with the deck.



Rudder Assembly

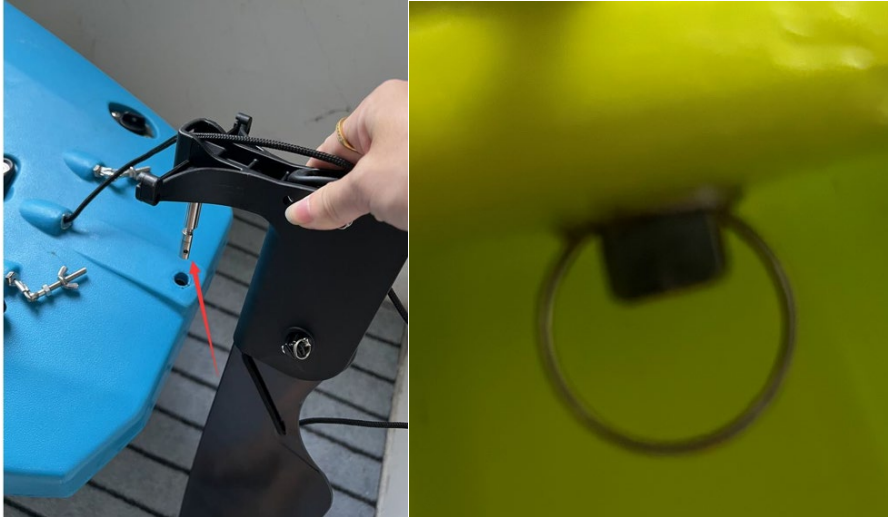
Start by ensuring that your rudder steering handle is in a neutral position with the handle parallel to the centre line of the kayak (orange arrow).



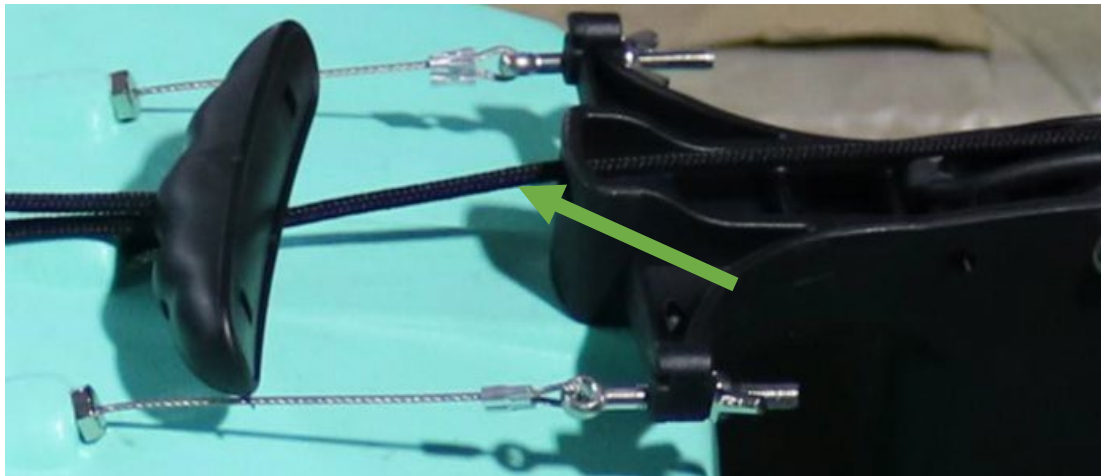
Next, ensure your rudder is untangled and the lines run free when taking it out of the cargo area. Put the pin of the rudder through the rear hole in the kayak. Check that the raising and lowering of the rudder operates smoothly. Next put in the rudder security pin (orange arrow) through the hole at the bottom of the rudder pin.



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



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.

In most cases the rudders lowering and raising cable is attached for transport (**Green Arrow**). However in some cases it may not be and you'll need to thread the rudder rope through the center line of the rudder and attach it. Thread it through the main hole at the start of the rudder (**Yellow Arrow**) and down through the gap (**Orange Arrow**) and then



thread it through the hole (blue arrow) and tie a knot.



Stadium Chair Assembly

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 pedalling position for you. Use the two screw bolts to secure the front of the seat (blue arrow) left and right side. There are no screw bolts for the back seat rail.



Paddle Assembly

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. 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.



Front Carry Handles

The kayak comes with side handles for both the front and rear section to make it super simple to carry your kayak in two pieces down to the waters edge. The rear handles are

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moulded into the kayak body and the front side handles are located in the accessory rails. The front rails are easy to attached if they are not already, simply insert the two screws in with an allen wrench into two of the rail sliders. These handles not only help with carrying the forward section they're also extremely useful for pulling yourself to a standing position to fish.



Fishing Rod Holder Assembly

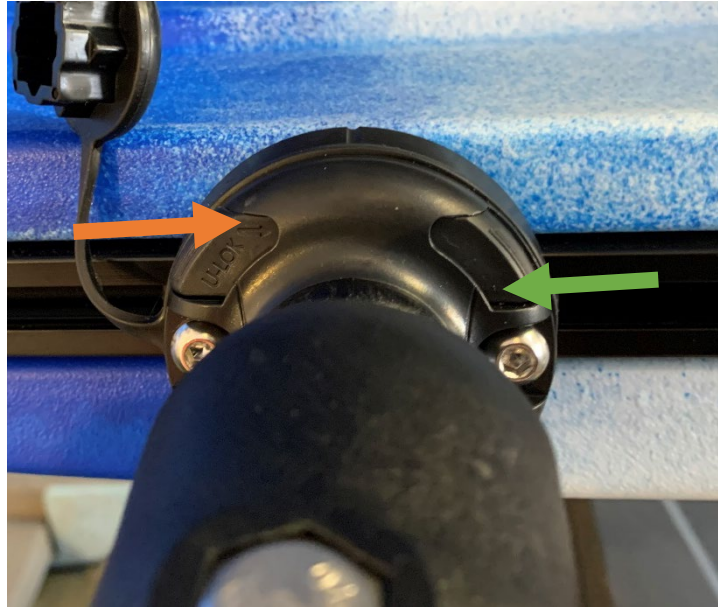
The rod holder assembly requires the: rod holder, the rod holder bracket (3 pieces), 2 x screws and the allen wrench.





Combine the three black round pieces together with the bottom, middle and top as indicated above. Decide which rail in the cockpit you want to secure it to and move the slider receivers apart the approximate width of the screw holds and insert the screws.

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 (green arrow).



You're now ready to hit the water!!

And don't forget to fill out the warranty form on our site.

And a reminder if you have any questions or concerns in respect of your Reel Yaks kayak then please email us at info@reelyaks.com or call us on 855 202 5035.

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 REELYAKS.COM

Kayak Accessories

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


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<p>Kayak Trolley Dolly</p>		<p>Pedal Drive Cover</p>	
<p>Kayak Uv waterproof Cover</p>		<p>Kayak Motor Mount Bar</p>	
<p>Kayak Stabilizer Pontoons</p>		<p>Spare Pedal Drive Fins</p>	
<p>6 pack Accessory Rail Slider Mounts</p>		<p>Kayak Anchor Trolley Kit</p>	
<p>Kayak Uv shade Bimini</p>		<p>Kayak Sail Kite</p>	
<p>Pedal drive & bar mounted trolling motors</p> <p>Wide range 24lbs - 86lbs thrust</p>		<p>360 Fishing Rod Holder</p>	

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