



Assembly Instructions

Recon

10.5ft Modular Propeller Drive Pedal Fishing Kayak
440lbs 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 hello@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

Kayak Maintenance: We recommend a fresh water wash of all parts after every use and to spray any moving parts, screws and cables with WD40 once a month as a preventative measure.

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 white rudder sleeve/pipe
- 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.



Assembly Steps

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

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

1.



2.



3.



4.



6.



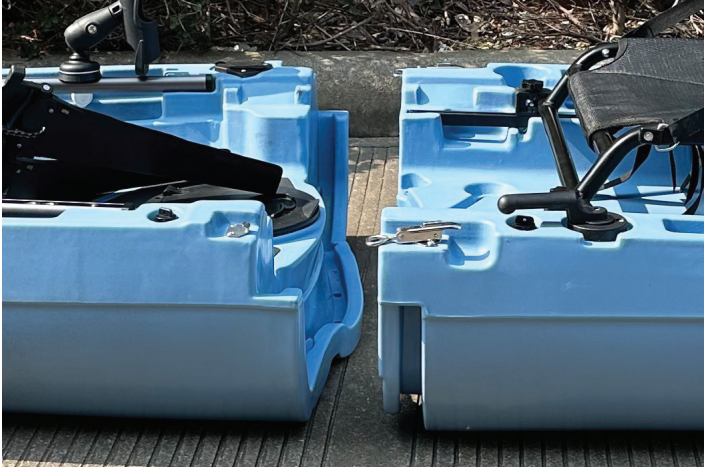
5.



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



2

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. The latches have a screw under it that you can adjust with a screwdriver to get a firm lock closure. Do not force the latches closed. If a latch is too loose then adjust it accordingly to get a good firm fit. Forcing the latches closed for an overly tight fit can damage the screws unnecessarily on the adjoining catch.



2. Stadium Chair Assembly

1

For the stadium chair assembly you'll need the 2 long screws, black seat brackets and allen wrench. In each seat rail you will have two slider receivers in which you can secure your seat. Move one to the front of the kayak for each rail and screw the front knobs into each slider. The back of the chair sits on top of the rails.



3. Rudder Assembly

1

Put the kayak on its side. Retrieve the white sleeve/pipe (located in the middle hatch) and the rudder.



2

Insert the rudder stem from the bottom of the kayak into the steering mechanism hole (biggest hole in the middle).



3

From the top end of the kayak, insert the white sleeve over the top of the head of the rudder stock. The rudder stem should now sit snugly in the hole with no ability to wiggle around.



4

Locate the loose rope that comes out just in front of the rock stock. Thread the end of the rope through the small hole located behind the rudder stem at the rear of the cargo area and feed the rope to the bottom side of the kayak (orange arrow).



5

Ensure the rudder is fully extended and thread the same rope through the hole located at the back of the rudder mid-way down (orange arrow). BEFORE tying a knot, ensure the red ball located next to the seat for raising and lowering the rudder is at its shortest length i.e. the red ball is as close to the V cleat as possible.



6

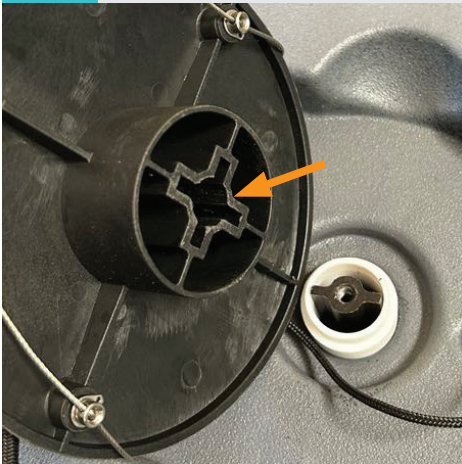
Test the raising and lowering of the rudder to ensure it is working correctly. You can then cut off any excess rope after the knot on the rudder.



3. Rudder Assembly *continued*

7

Look for the cross pattern under the steering cap (orange arrow) and then flip the cap over so it matches the top of the rudder stock and push the cap into place so that there is a firm fit and when you rotate the cap side to side the rudder turns. Insert the screw into the top of the cap and secure it with an allen key.



8

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



9

Pull the rudder handle all the way left and then all the way right, to ensure the rudder is tracking correctly. You can adjust the tautness and responsiveness of the rudder steering by adjusting the length of the steering cables attached to the outside screws on the rudder cap. Use the allen key to loosen the screws before adjusting the cable length and then retighten. 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.



4. 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

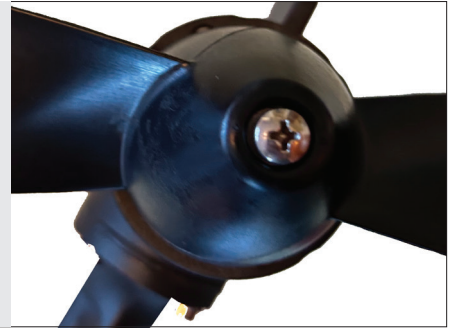
Next, you will need to secure the propeller to the drive. Find the propeller shaft pin and push it into the propeller drive (blue arrow), there are two marks on the pin to help you center the shaft (orange arrows).



4. 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.



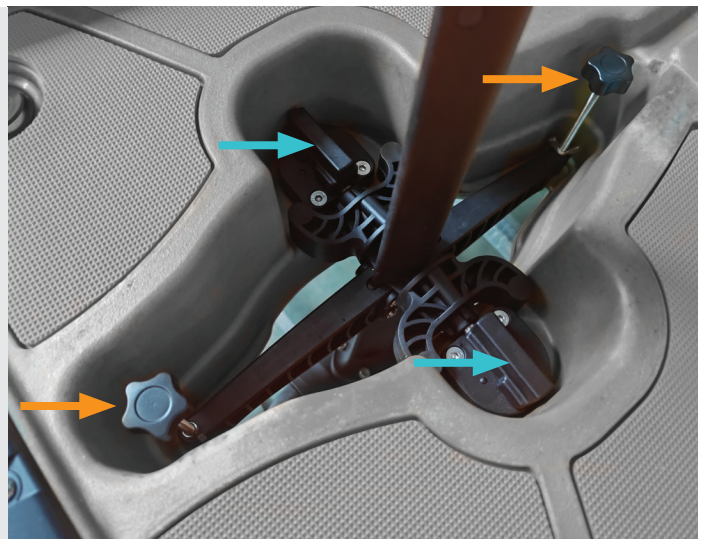
6

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.



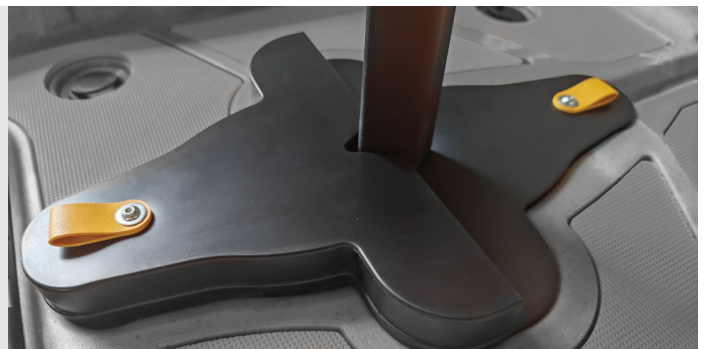
7

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. Then 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.



5. Fishing Rod Holder Assembly

1

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.



2

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 (blue arrow).



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 to the side of the kayak. Remember not to leave it attached like that when the kayak is travelling on your car or truck.

