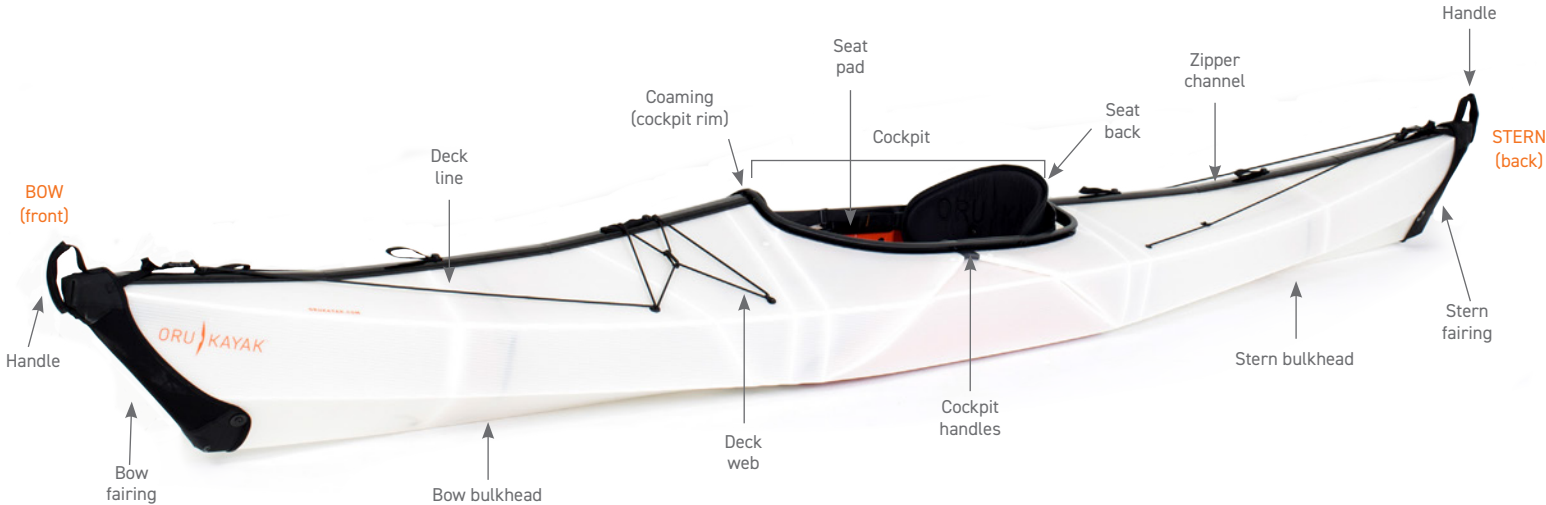


THE BAY ST Assembly Guide

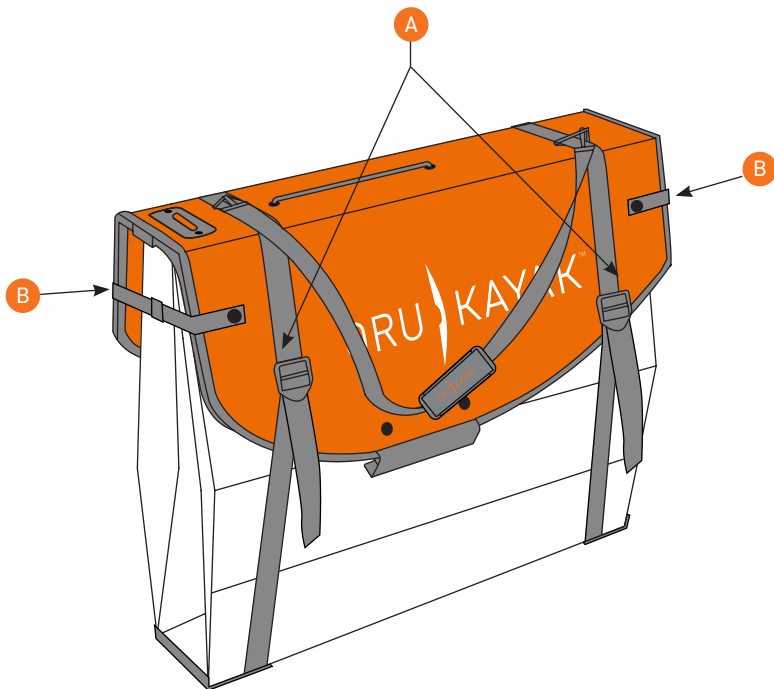


US PATENT NO. 8,316,788

HOW TO GET
STARTED

Step 1: Open the Oru Kayak box

The box contains all the components needed for assembly and includes space to store gear—such as float bags and our 4-piece paddle.



- A** Loosen and slide the shoulder strap off the sides of the box. You will not use it while kayaking, but you will need it when you fold the Oru Kayak back into box form.
- B** Unclip the two sets of box buckles on both sides of the orange lid. Lift the lid off – this will become the kayak's floorboard.
- C** Remove the loose kayak components packed into the box. See page 2 for a list of the loose components. Additional components are permanently attached to the hull/deck.

Parts: Loose components

1 Shoulder strap: Used to carry the kayak when in box form. Stow behind the backrest while kayaking.

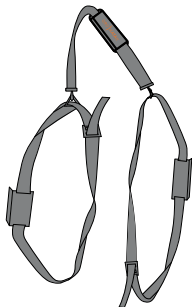
2 Zipper channels: These seal the deck seam.

3 Stern (back) bulkhead: Provides structural rigidity.

4 Backrest: Combines back support and structural rigidity.

5 Seat pad: Tucks under the bungee in the floorboard.

6 Spare parts kit: Extra hardware and lubricant for repairs and upkeep.



1

SHOULDER STRAP



x6

2

ZIPPER CHANNELS



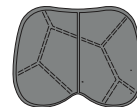
3

STERN (back) BULKHEAD



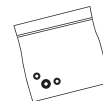
4

BACKREST



5

SEAT PAD



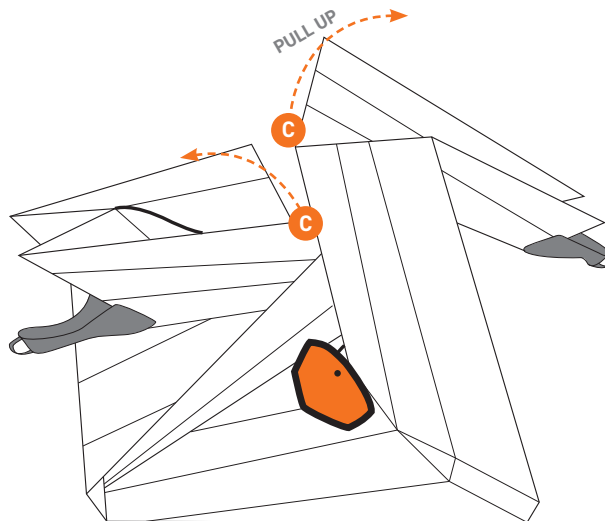
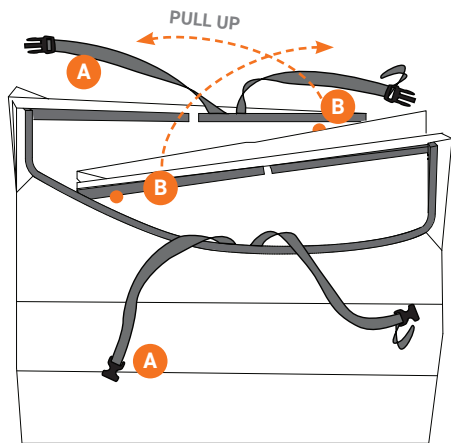
6

SPARE PARTS KIT

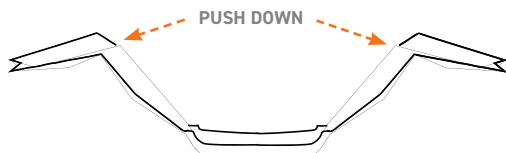
Step 2: Unfold the box

NOTE

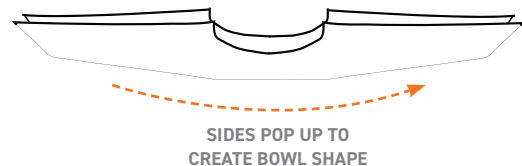
Orange stickers will help guide you through your first assembly.



D PROFILE VIEW



D

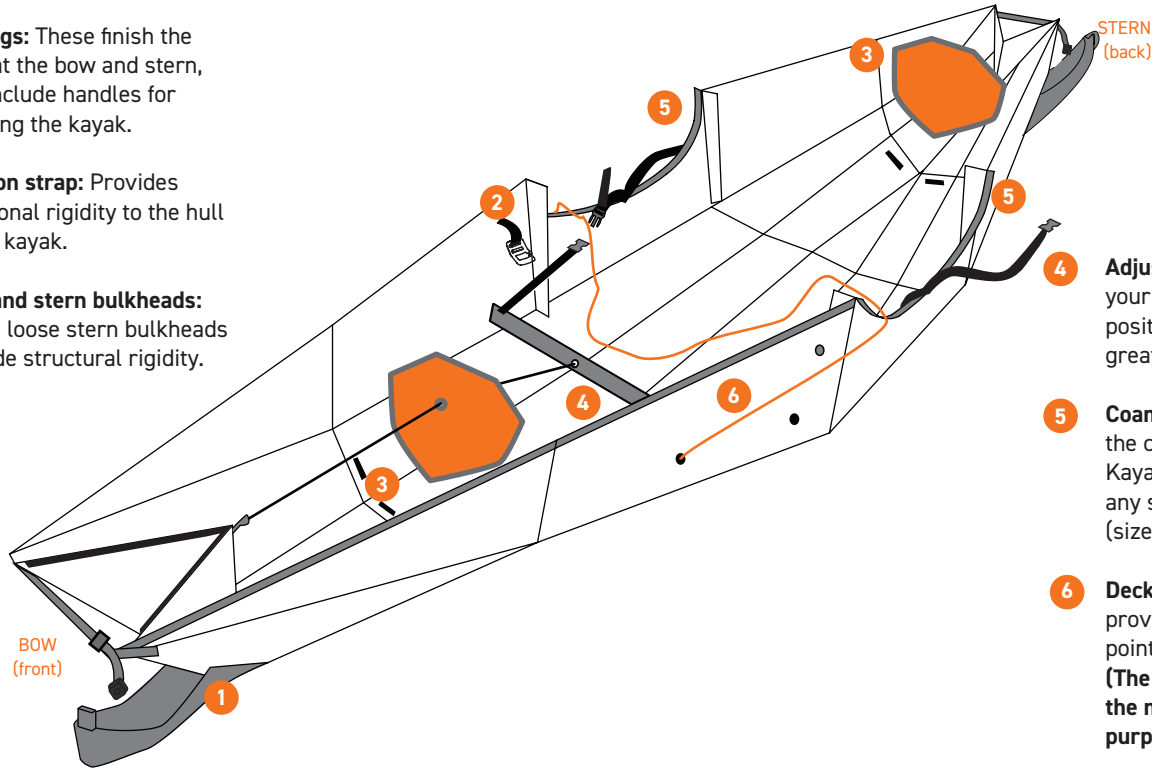


- A** Unclip side straps that are keeping the kayak closed.
- B** Hold the two folds at the orange stickers. Pull as indicated in the illustration (left) to open. The skin will be stiff.
- C** Push the ends apart to extend the box into a long sheet.
- D** Pop the hull flat with your hands as you extend it, pushing down the inverted folds, creating a bowl shape.

Parts: Hull/deck

The box becomes the hull and deck of the kayak. Several key parts are permanently attached to the hull/deck. The bow (front) and stern (back) of the Oru Kayak are different, so pay attention to orientation throughout the assembly process.

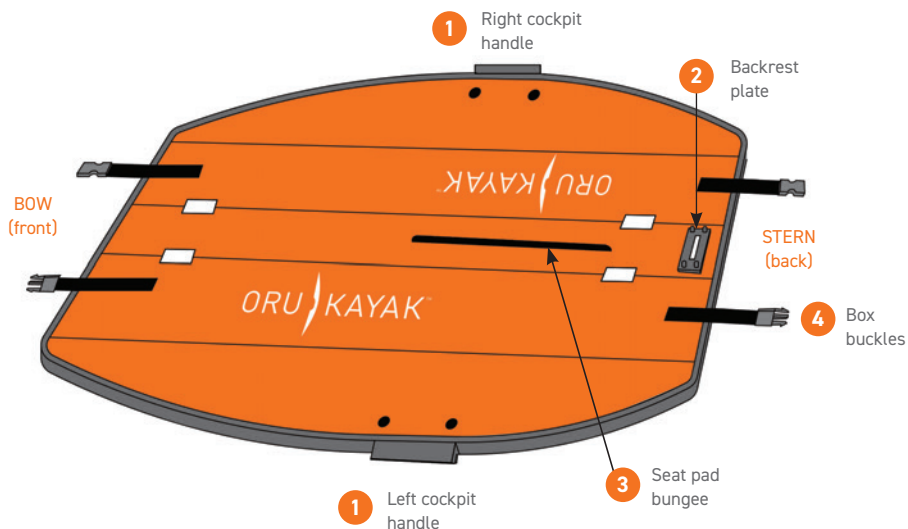
- 1 Fairings:** These finish the boat at the bow and stern, and include handles for carrying the kayak.
- 2 Tension strap:** Provides additional rigidity to the hull of the kayak.
- 3 Bow and stern bulkheads:** These loose stern bulkheads provide structural rigidity.



- 4 Adjustable footrest:** Keeps your legs in a comfortable position and gives you greater control of the kayak.
- 5 Coaming:** The rim around the cockpit can hold the Oru Kayak spray skirt as well as any standard spray skirt (size medium), if desired.
- 6 Deck lines:** These lines provide a secure grabbing point during a rescue. **(The lines are orange in the manual for instructional purposes only.)**

Parts: Floorboard

The box lid becomes the floorboard. The floorboard is a crucial part of the Oru Kayak assembly; it locks into the cockpit at the coaming, adding structure, and holds the seat pad and backrest.

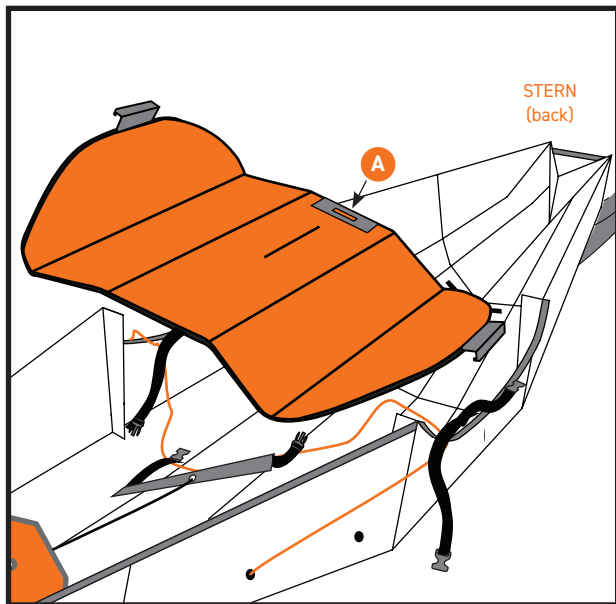


- 1 Cockpit handles:** Lock into coaming and provide support when entering or exiting the kayak.
- 2 Backrest plate:** Holds the backrest and column (see Step 7).
- 3 Seat pad bungee:** The seat pad tucks under the bungee in the center of the floorboard (see Step 10).
- 4 Box buckles:** Two sets of buckles hold the box closed, but are not used when in kayak form.

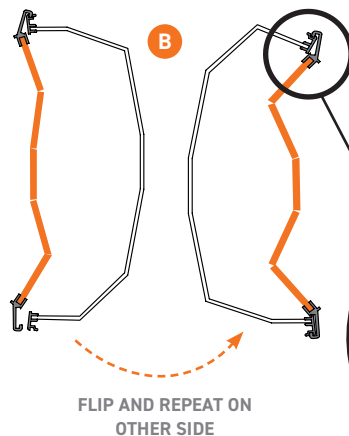
Step 3: Insert the floorboard

The floorboard adds structure to the cockpit area. The floorboard handles lock into the coaming (this is around the rim of the cockpit) to hold the floorboard in place.

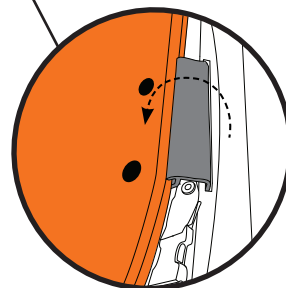
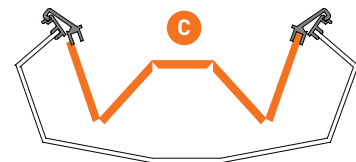
- A** Ensure that the floorboard backrest plate is on the stern side of the kayak.



- B** Prop the kayak on its side, and align the floorboard handle with the ridge in the coaming. Rotate down and inward, until you hear a "snap." See note. Flip kayak and repeat on the other side.



- C** After locking in both sides and pushing down in the center of the floorboard, you'll find that the kayak retains its "boat shape."



NOTE

Handle goes into groove on the coaming. Rotate the cockpit handle to lock into the coaming, as shown, until you hear a "click" sound.

Step 4: Attach footrest

Adjust the footrest buckles and straps to provide simple, adjustable comfort.

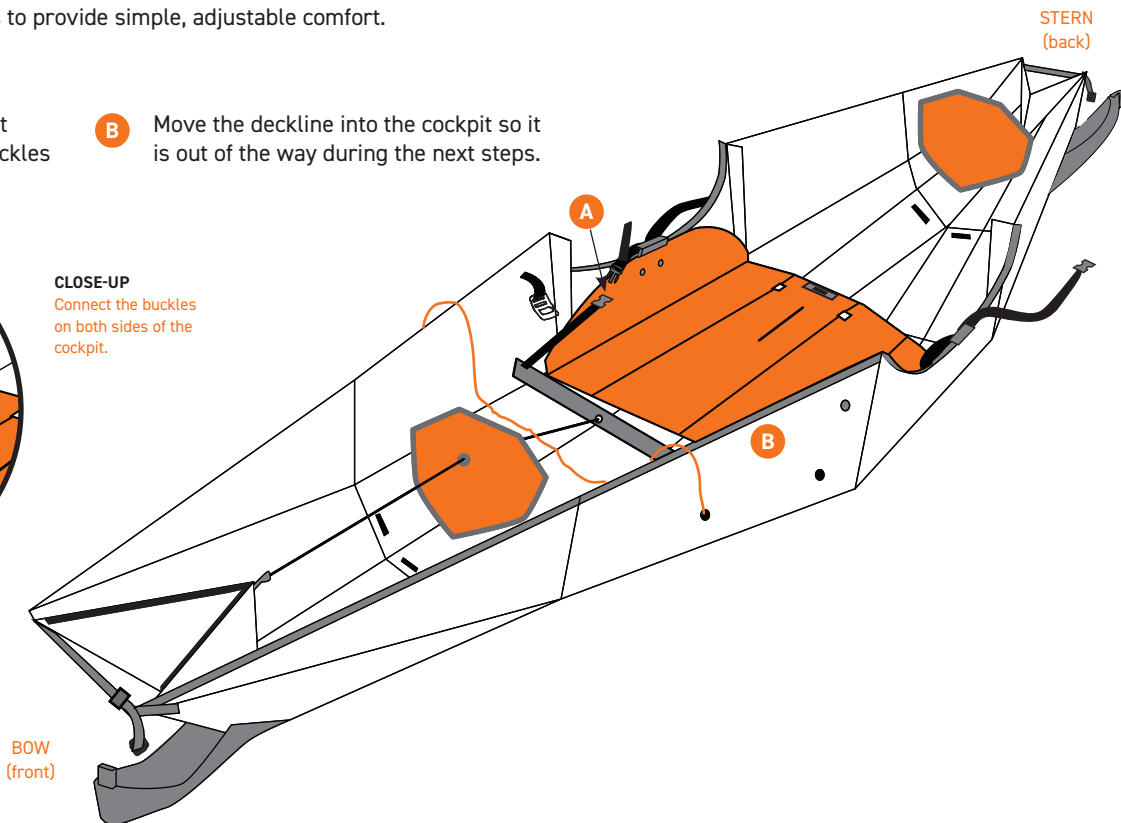
- A** On both sides, attach the footrest buckles to the corresponding buckles on the coaming (see close up).



NOTE
The back buckles are used for the backrest **NOT** the footrest.

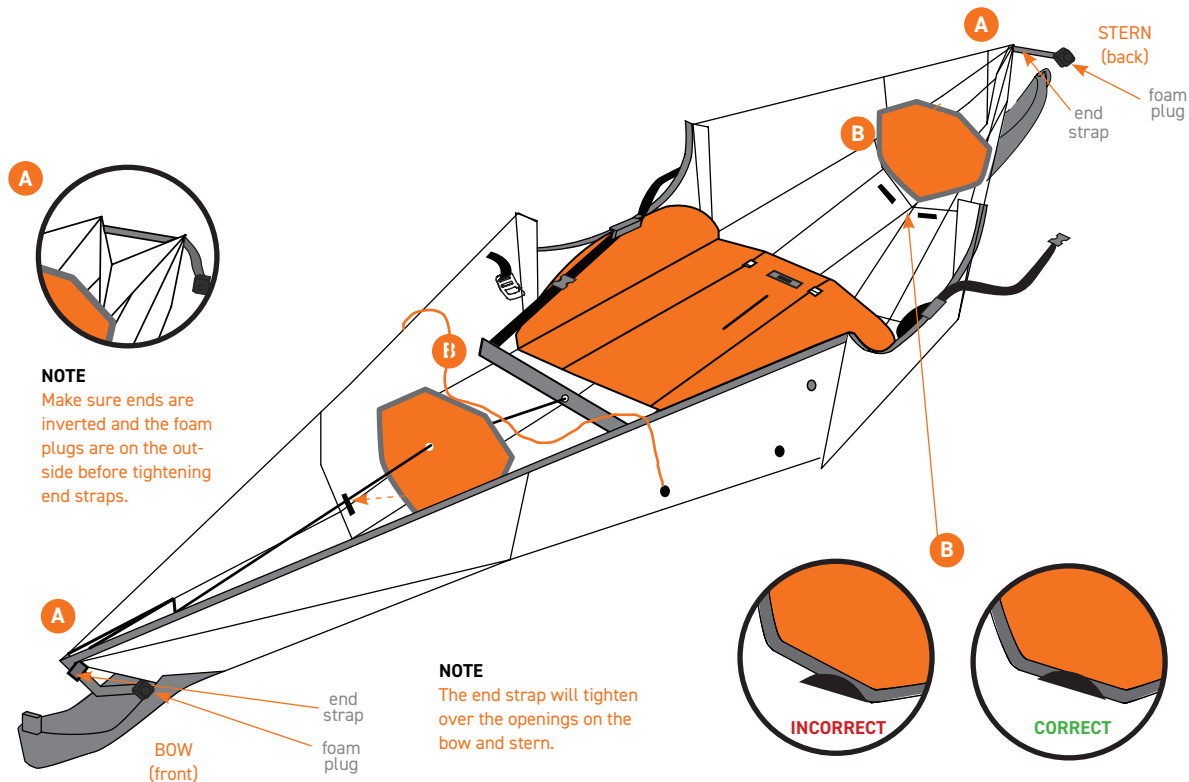
- B** Move the deckline into the cockpit so it is out of the way during the next steps.

CLOSE-UP
Connect the buckles on both sides of the cockpit.



Step 5: Tighten end straps/insert bulkheads

The end straps help seal the bow and stern while the bulkheads provide rigidity to the hull.



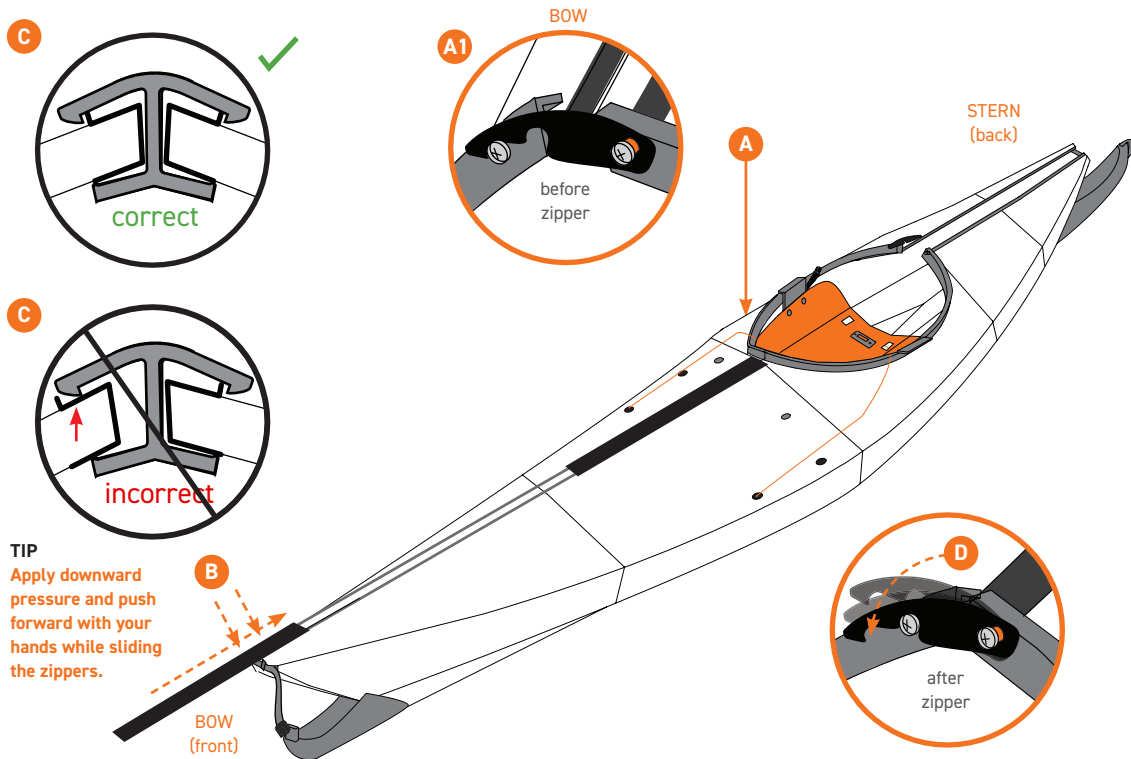
A Make sure the ends of the bow and stern are inverted. Tighten the bow and stern using the end straps (see note). This will begin to shape the kayak and make it easier to install the zipper. Make sure the foam plug stays on the outside.

B Insert the bow and stern bulkheads into the bulkhead channels on the floor of the kayak.

Step 6: Attach front zipper channels

The zipper channels seal the deck of the kayak.

- A** Hook the front coaming latch as shown in the upper close-up **A1**.
- B** Holding the bow of the kayak, begin to guide the zipper channel onto the deck trim (see tip). Do not force the zipper on as it may cause damage to the kayak. Make sure that the bulkhead is inside of the upper bulkhead channel.
- C** Continue until all three zippers are on the bow of the kayak. Check to make sure each zipper channel is properly installed.
- D** Finish closing the front coaming latch as shown in the upper close-up **D**.

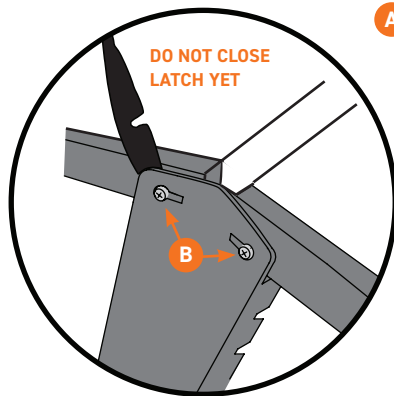


Step 7: Attach rear seat column

Closing the back of the kayak is similar to closing the front (step 5). You'll install the backrest column, which supports the rear cockpit area.

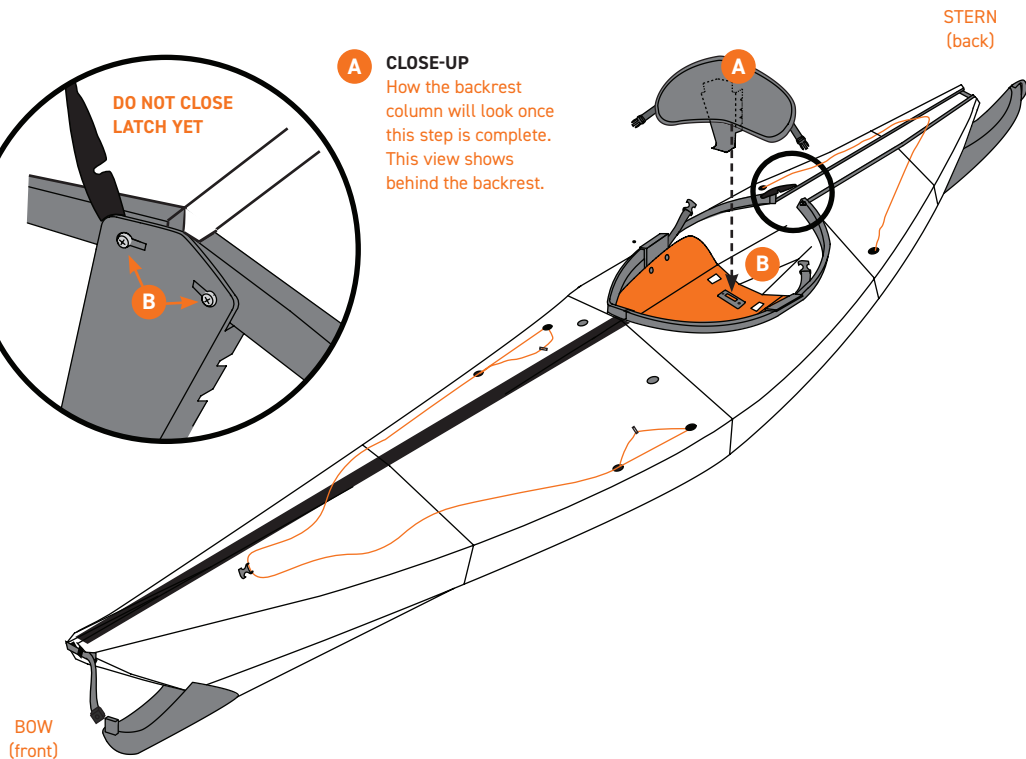
A Slide the backrest column into the slotted backrest plate in the floorboard. Tilt upward to lock the backrest column in place.

B Lock the top of the backrest column into the two shiny screws on the coaming of the kayak (see close up).



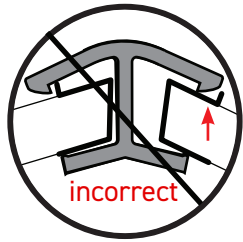
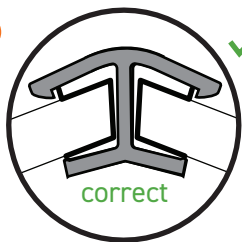
DO NOT CLOSE LATCH YET

A CLOSE-UP
How the backrest column will look once this step is complete. This view shows behind the backrest.



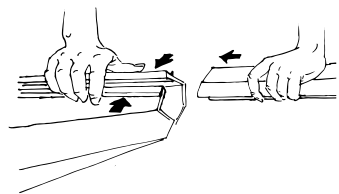
Step 8: Attach rear zipper channels

B



STERN
(back)

A



A

TIP
Apply downward pressure and push forward with your hands while sliding the zippers.

A

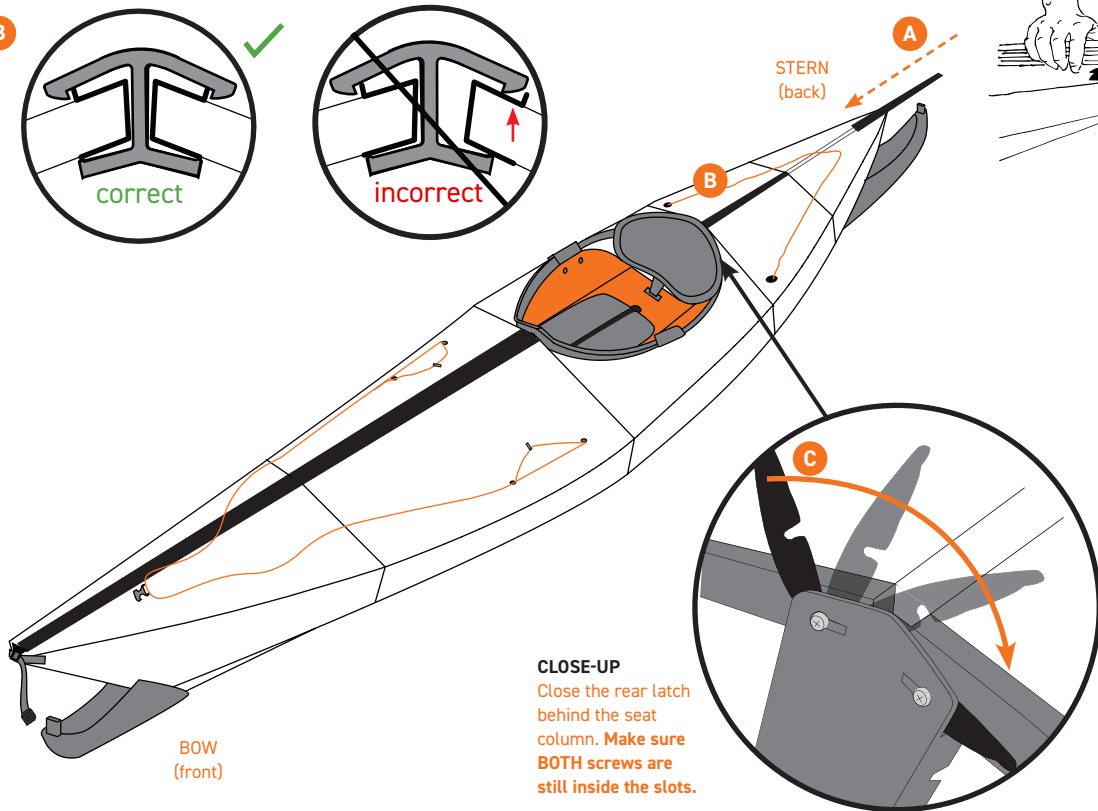
Holding the stern of the kayak, begin to guide the zipper channel onto the deck trim (see tip). Do not force the zipper on as it may cause damage to the kayak. Make sure that the bulkhead is inside of the upper bulkhead channel.

B

Continue until all three zippers are on the stern of the kayak. Check to make sure each zipper channel is on correctly.

C

Close the rear coaming latch behind the seat column.

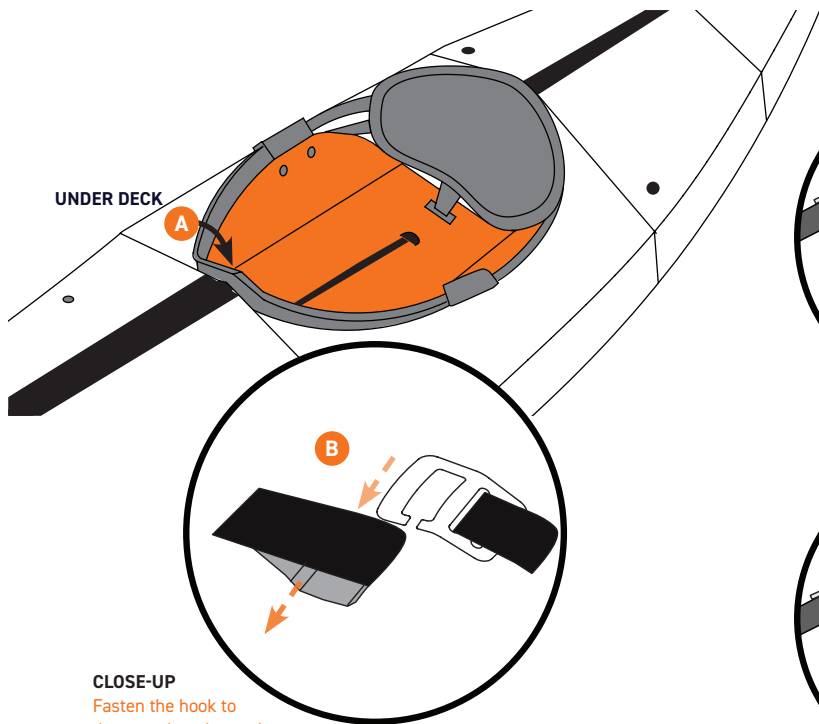


CLOSE-UP

Close the rear latch behind the seat column. **Make sure BOTH screws are still inside the slots.**

Step 9: Tighten the tension strap

Tightening the tension strap provides additional rigidity to the hull of the kayak.



CLOSE-UP

Fasten the hook to the strap loop located under the deck.

- A** The tension strap is located inside the hull underneath the bow coaming latch.
- B** Fasten the hook onto the strap loop.
- C** Make sure the strap is tight (see diagrams).

Step 10: Add the finishing touches

Just a few more things to get your Oru Kayak ready for the water!

- A** Using the foam block attached to the end straps, plug the bow and stern of the kayak.
- B** Stretch the neoprene fairings over the bow and stern and clip the buckles to the first deck buckles at each end. Tighten the strap until the deck lines are tensioned.

STERN
(back)



BOW
(front)

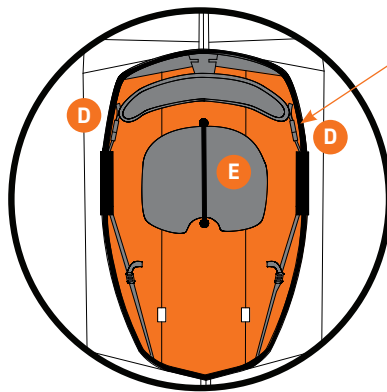


- C** Stretch the bungee across the deck in front of the cockpit (standard positions shown). You may configure the clips as you see fit).
- D** Buckle the seat back straps to the stern-side straps on the coaming.
- E** Slip the seat pad under the bungee on the floorboard.



NOTE
If the fairings won't stretch over, make sure the ends are inverted (see 5A).

CLOSE-UP
Step D and E



NOTE
Use buckles to adjust backrest and leave space for more comfort.

Final adjustments

BEFORE YOU GET IN:

LOOSEN THE FOOTREST

This will allow easy entry.

ADJUST THE HEIGHT OF THE BACKREST

Move the bungee up or down the notched backrest column to support your lower back.

Pull on the seat back straps (with the orange stitching) to adjust the reclining angle of the seat. When properly adjusted, there should be a space between the seat back and the rear of the coaming, while seated in a normal position.

ONCE YOU'RE IN:

ADJUST THE FOOTREST

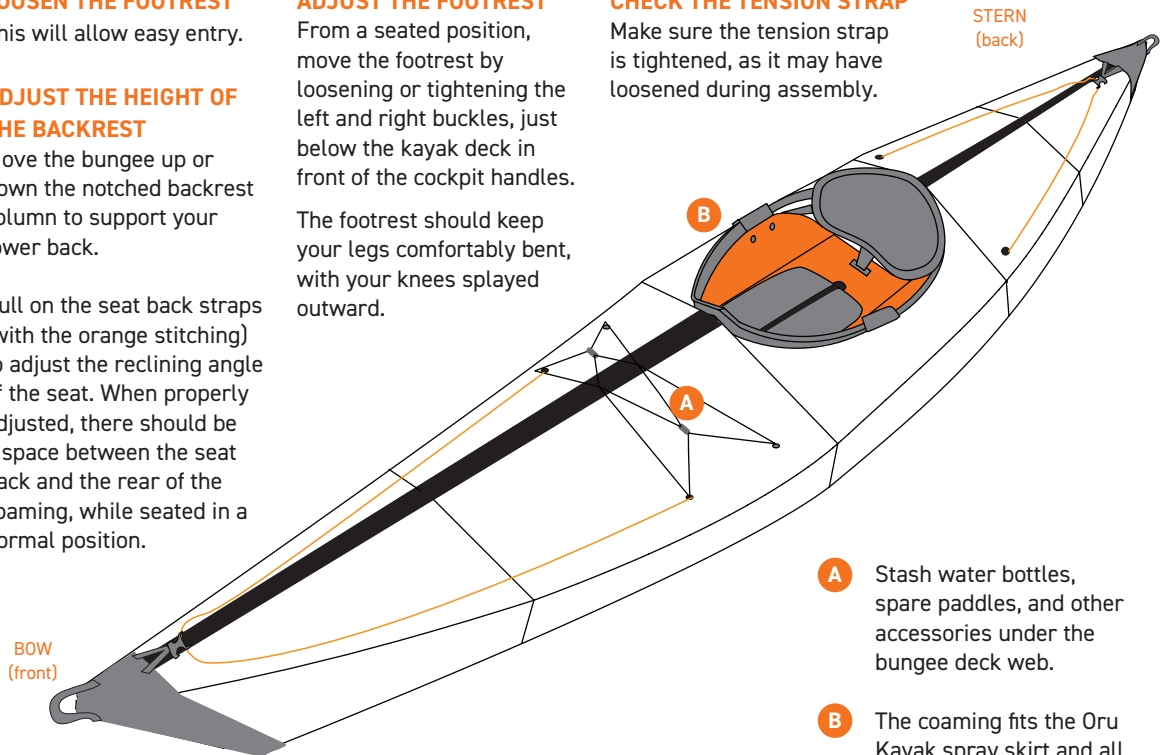
From a seated position, move the footrest by loosening or tightening the left and right buckles, just below the kayak deck in front of the cockpit handles.

The footrest should keep your legs comfortably bent, with your knees splayed outward.

ONCE YOU'RE IN:

CHECK THE TENSION STRAP

Make sure the tension strap is tightened, as it may have loosened during assembly.



A Stash water bottles, spare paddles, and other accessories under the bungee deck web.

B The coaming fits the Oru Kayak spray skirt and all standard spray skirts (size medium), if desired.

ASSEMBLY CHECKLIST

- Zipper channels are tight and no deck trim is visible underneath.
- The fairings cover both ends.
- Coaming is locked at the front and back of the cockpit.
- Both cockpit handles are locked onto the coaming.

Congratulations!
Your Oru Kayak is ready for the water.

Back on land: Folding your Oru Kayak into its box

Disassembling the Oru Kayak is basically a reversal of the assembly; however there are a few tricks.

Follow these directions to learn how to pack your Oru Kayak back into its box quickly and easily.

- 1 Unclip the fairings and **FULLY** loosen the end straps at bow and stern. Remove the foam plug.
- 2 Unhook the deck web.
- 3 **IMPORTANT: Loosen and unhook the tension strap before removing any zipper channels.**
- 4 Unlatch the front and rear coaming latches.
- 5 Remove the zipper channels starting with ends of the kayak. Remove one channel at a time by placing your palm on the zipper. Apply pressure to remove.

TIP: Some water may collect inside the plastic corrugated flutes. To let it escape, stand the assembled kayak vertically for about 10 minutes to let it drain out.
- 6 Open the coaming latch. Remove the rear seat column by unhooking it from the coaming screw posts.
- 7 Unclip the footrest and remove the stern bulkhead. Bow bulkhead stays in the kayak and clipped to the bulkhead keeper.
- 8 Remove the floorboard by swiftly pulling up from the center.
- 9 Fold one end inward, compressing it like an accordion (you can start with the bow or stern).
- 10 Repeat with other end.
- 11 Fold the two accorioned ends towards the middle, to slide past each other. Push the orange arrow towards the orange target and the black arrow towards the black target.
- 12 Continue pushing, in a twisting motion, until the arrows hit their targets.
- 13 Clip and tighten the two sets of outside deck buckles on either side.
- 14 Stash loose components throughout the box, making sure that they're safely positioned.
- 15 Place the floorboard over the top of the box. Place and tighten the shoulder strap loops over the box.
- 16 All packed up and ready to go!