



604 Crisscross Road, Fleetwood, PA 19522 610.899.0286 (O)

BoardSafe Adaptive Kayak Launch Operations Manual

***Video Tutorial on How to Use,
Instructions on End of Season Removal, and
Recommended Maintenance***

VIDEO INSTRUCTIONS ON HOW TO USE THE BOARDSAFE ADAPTIVE KAYAK LAUNCH



END OF SEASON DOCK REMOVAL RECOMMENDATIONS

Estimated Time Required: 2 hours

Recommended Crew Size: 1 equipment operator and 2 laborers

Equipment Needed:

- Loader / Machinery To Lift Dock Components From Water
- Rigging Straps
- Sledgehammer
- Allen Wrench Set
- Box Wrenches
- Safety Equipment: Hard Hat, Safety Glasses, Gloves, Proper Footwear, Life Vests

Process:

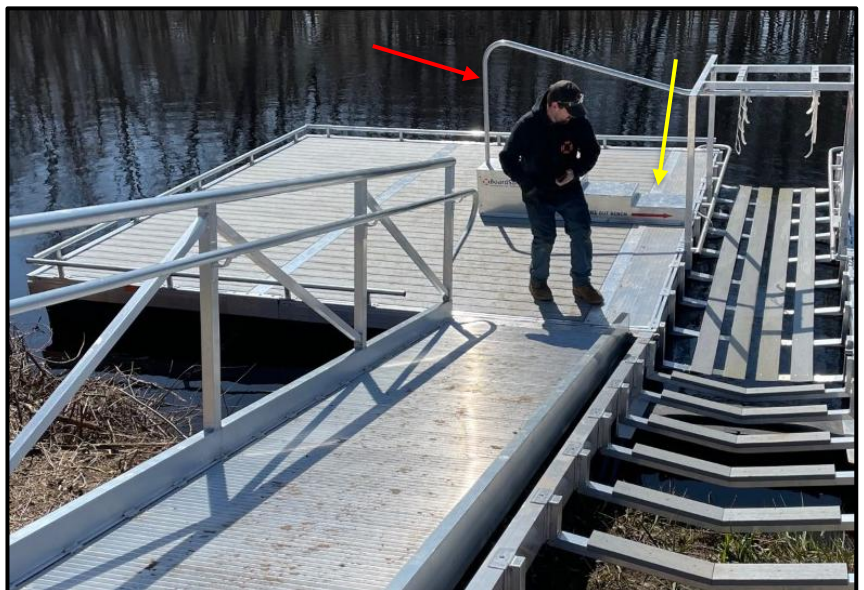
1. Unbolt the overhead grab bar (tubing) shown with the red arrow.

Unbolt the Allen bolts connecting it to the roll cage first, then lift it out of the boarding bench to finish.

Unbolt the bench (yellow arrow) from the deck surface using Allen wrench and set the bench aside.

After the bench is removed, remove the sliding bench seat that is bolted to the deck surface.

Set these items aside up on shore and out of the way.



2. Remove any toe-kicks that span over connecting dock sections.

These toe-kicks are shown in the photo with the green arrows.

3. Next, remove the **Dock-to-Dock Threshold Strip** connecting the kayak launch to the main dock portion. This is removed with an Allen wrench. Keep the Allen bolts in a container to prevent them from falling in water. *(The transition strip is shown with the red arrows).*

Remove the **Dock-to-Dock Mending Plate** connected to the outer edge of the floating dock. This mending plate connects the kayak launch to the 8' x 16' floating dock and is fastened to the channel with (4) bolts.



4. If there are secondary floating docks connected to the primary 8' x 16' dock (such as shown in the photo), remove the transition strips connecting the two (reference the blue arrows). Once the transition strip is removed, you will be able to pull the freed dock over to the shoreline and lift it to the staging area.
5. Remove the piano hinge bolt that connects the kayak launch to the kayak chute. This is removed by hammering out the 1-1/2" hinge pin located in the area shown by the yellow arrow on the right side of the photo below.

Note that the primary 8' x 16' dock and kayak launch share a hinge pin shown by the yellow arrow on the left. This specific pin will need to be hammered only enough to free the kayak launch while keeping the floating dock connected.

Set the pin and hardware aside with the bench.

6. Now the kayak launch can be freed from the main dock.

Using ropes, pull this section over to shoreline. Secure your rigging points and use a spreader to prevent the rigging straps from pressing in on the overhead grab bar. *(If you do not have a way to spread the straps, remove the overhead grab bar components prior to lifting).*

Rig your straps to the launch and pick it out of the water. While keeping the launch lifted, bring it to the laydown area and carefully set on the ground.

7. Fully remove the 1-1/2" piano hinge connecting the bottom of the gangway to the 8x16ft dock.

After the pin is removed, pull the 8' x 16' dock to shoreline.

Secure your rigging and pick up the dock for removal.

8. Lastly, remove the two hinge pins that connect the gangway and kayak chute to the concrete bulkhead.

Once these are removed, the chute and gangway can each be lifted up to the staging area.

The pin is located in the area shown by the yellow arrow.

The aluminum bulkhead mounting angle permanently stays fastened to the concrete bulkhead.



Equipment Suggestions:



RECOMMENDED ANNUAL INSPECTION FOR ACCESSIBLE KAYAK LAUNCH

1. Visually inspect the white fabric drop down grab loops located on the overhead grab bar. Inspect for normal wear and tear. Replace as needed.



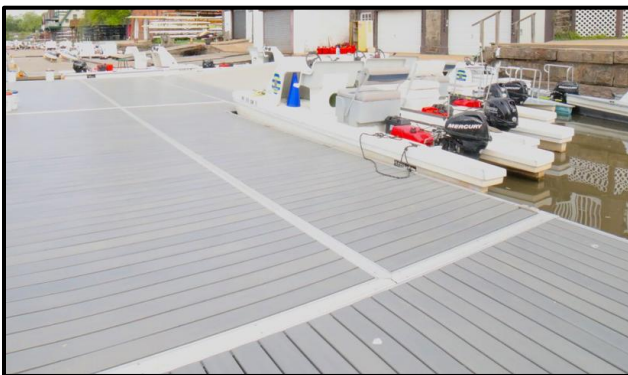
2. Visually inspect the concrete anchor bolts that fasten the bulkhead mounting angle to the concrete block. Check and confirm tightness.



3. Visually inspect the connecting hardware on the adaptive kit components (*boarding bench, overhead grab bar and instructional sign*). Tighten as required.



4. Inspect the **Dock-to-Dock Threshold Strips** and **Dock-to-Dock Mending Plates**. Tighten any loose hardware or replace any missing hardware.



5. Inspect to make sure all saddle slide boards are in good condition, and all fasteners are installed. Replace any missing or damaged fasteners or boards.



6. Gangways, docks, launches – Clean with mild soap and water, or light pressure wash as needed.