



## SEA-LECT Designs Adjustable Footbraces

Installing the SEA-LECT Designs Adjustable Footbrace means you're gaining 10" of adjustable travel with a flip of the lever. With two mounting points that fit most existing footbrace hole patterns, our system has tremendous strength and is designed to be maintenance free and self cleaning. Patent #7,168,388

These instructions will serve as a reference for installation; however, keep in mind variations may be needed to fit your individual boat.

**Please read ALL instructions prior to beginning the process in order to decide which steps are applicable to YOUR kayak.**

**CAUTION:** Every effort has been made to ensure these instructions will help you successfully install your new footbrace system, however, the process may require permanent alteration to your kayak. Be safe and measure twice before proceeding with any step requiring drilling into your hull. If you are uncomfortable with any part of this process, we suggest contacting your local dealer for support and advice; they may also be able to undertake this installation for you at a reasonable cost.

### Parts List

Below are the parts included with your SEA-LECT Designs Adjustable Footbraces:

- SEA-LECT Designs Adjustable Footbrace (*hardware included*)

### Additional Tools & Materials Required

Depending on the model of kayak being worked on, not all tools below may be required:

- Drill with 1/4" (7 mm) drill bit
- Phillips Head Screwdriver
- Measuring Tape or Ruler
- Non-Permanent Marker
- Silicone Sealant

Footbrace installation should begin by placing the kayak on a bench, table or sawhorses, and securing the kayak so it's stable.

## SEA-LECT Designs Adjustable Footbrace System - Installation Instructions

**Video Installation Instructions Available at [www.youtube.com/sealectdesigns](http://www.youtube.com/sealectdesigns)**

**Step 1:** Gather needed materials; including your SEA-LECT Designs Adjustable Footbrace, measuring tape, marker, sealant, Phillips head screwdriver and drill with 1/4" (7 mm) drill bit - drilling may only be necessary in a kayak that don't have existing mounting holes.

**Step 2:** Start installation of your footbraces by locating the footbrace position for your kayak. When mounting the footbrace, you should be sure the placement will fit a variety of paddlers.

Our footbrace system has a center-to-center spacing between mounting holes of 14-1/2"; this is the most common distance on the market, and if your kayak has an existing footbrace system with these measurements, you just need to unscrew the old ones and replace.

If the footbraces on your kayak has mounting holes outside these measurements, you can still use one of the existing through holes, leaving only one additional hole to drill on each side. Fill-in any unused holes to prevent water from entering your kayak. Check with your kayak's manufacturer on the best way to accomplish this step, but the process could include using a fiberglass patch, plastic weld, or even by simply using a bolt with oversized head to cover the opening.

If no previous footbraces were installed on your boat, measure and mark both hole positions on each side. Always double check measurements before drilling into your kayak. In addition, since the foot peg extends vertically above the track, make sure there's sufficient clearance on the inside of the boat so the top of the peg does not impact the underside of the deck. If this is the case, you may need to move your footbrace position down to provide clearance.

**Step 3:** Mount the footbraces to your boat using the provided bolts. The bolts will push through from the outside of the kayak exposing the thread inside the hull; make sure the rubber washer is against the outside of the hull to act as a water seal (a drop of silicone sealant can also be used for added waterproofing). Slide the track over the exposed thread (the top of the track can be identified using the patent number on the back; it should never be upside down when mounted. In addition, it will be on the side closest to the paddler when the track is installed on the left, farther away when mounted on the right). The red adjusting bars (or black bars in limited cases) should be positioned toward the paddler with the "L" or "R" pointing toward the inside of the kayak; the right rod is marked with an "R" on the adjustment flag, the left with an "L" on the adjustment flag. The top of the foot peg can be identified as the more gently curved side which has an extra tab with thru hole between the peg and the base (by mounting the footbrace without the rod, this tab can be used as an attachment point for rudder control). Tighten the unit into place using the clamps; these clamps have a built-in recess for the lock nut to prevent them from turning as you tighten.

**NOTE:** If you're installing stud mount footbraces, no drilling is required, but you'll need to install mounting threads in your kayak such as those in the SEA-LECT Designs Stud Mount Kit (included with stud mount footbrace kits). Attach the studs via the same steps as above, except by using fiberglass resin and/or high-strength epoxy (check with your kayak's manufacturer on the best way to accomplish this step). If you are transferring from standard footbraces to stud mount footbraces, an aftermarket kit is available from SEA-LECT Designs which includes mounting studs plus replacement 'stud mount' clamps. Since you'll not longer be able to turn the screw head to tighten to footbraces into place, these replacements 'stud mount' clamps do not have the recess for the lock nut so you can tightening the nuts from inside the cockpit.

## Using & Adjusting Your Adjustable Footbrace System

- Initial testing and adjusting of your footbraces is best done on dry land. Remove your kayak from any elevated surface you may have had it on while installing the footbraces. Find a place where the center of your boat is supported from underneath.
- To operate and adjust your footbrace flip the corresponding "R" and "L" levers from their locked position (pointing down) to their adjustable position (position toward the center of the kayak). When the levers are in their adjustable position, simply reach down and slide the foot peg either toward you, or away, to your desired position.
- For the best performance, you want to maximize contact with the boat – the more contact you have, the more control you have over the kayak. Both your knees and toes should be facing toward the outside of the kayak, with your knees bent and under any thigh braces (the space inside your legs should form a 'diamond' shape). Sitting upright, your heel will rest on the hull below the footbrace with the ball of your foot making contact with the foot peg. Adjust the footbrace position so your feet make a 90° angle at your ankles.



**Video Installation Instructions Available at**

**[www.youtube.com/sealectdesigns](http://www.youtube.com/sealectdesigns)**

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