



Scan Sport, Inc.

Tel: (603) 632-9500

Fax: (603) 632-5611

web: www.pakboats.com

e-mail: info@pakboats.com

May Street • P.O. Box 700 • Enfield, New Hampshire 03748-0700 USA

Installation Instructions XT Foot Pegs and Rudder

XT Foot Pegs are adjustable by moving along a Foot Peg Rail and can be used separately for leg support. They are also part of a complete Rudder System.

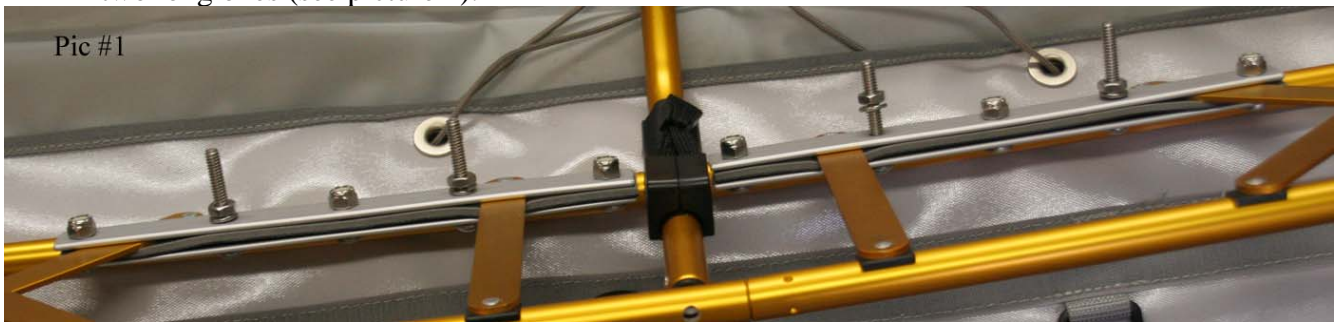
To install the foot pegs you will need the following tools: Screw driver (Phillips and straight) 7/16 inch socket wrench, 5/16 and 3/8 inch wrenches, drill with 5/32 inch or 4 mm bit. For the complete rudder installation you also need a sharp wire cutter and a crimping tool.

Foot Peg Installation.

1. Installing the brackets for foot peg rails.

Each set of Foot Pegs comes with 4 brackets. Each bracket consist of two flat aluminum slats with a layer of foam between them. The aluminum slats are held together by 3 short screws and two long ones (see picture 1).

Pic #1



2. Each Foot Peg Rail attaches to 2 brackets. Depending on your leg length, the Foot Peg Rails may need to span a cross rib, which requires you to install brackets on opposite sides of the cross rib as shown in the picture. Foot Peg Rails can also be installed between two cross ribs. Sit down in your seat to determine the required position of your Foot Pegs. Unless the required Foot Peg position is close to a cross rib, we recommend that you avoid spanning a cross rib with the Foot Peg Rail. This will simplify disassembly and packing of your boat. Start by attaching the brackets loosely as shown in Picture 1. The gray foam between the slats should be in direct contact with the boat frame. Compressing the foam will help prevent movement of the brackets after installation.



QUALITY FOLDING BOATS

3. The foot peg rails will attach to the long screws on the brackets. Before tightening the screws, please adjust the bracket positions until the long screws match holes drilled in the Foot Peg Rails. When the positions match you can tighten all the screws.



The black plastic tubes with light color inserts are spacers that go on the long bracket screws to let the Foot Peg Rails clear the cross rib (see picture 2). Position the Foot Peg Rails on the long screws and secure with the lock nuts provided. This completes installation of your Foot Pegs.

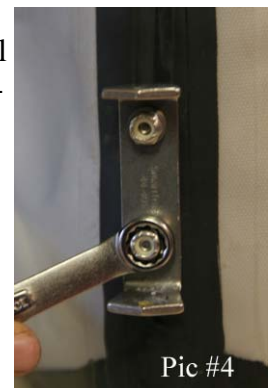
Please note: *If you were able to avoid spanning a cross rib with the foot peg rails, there is no need to remove the foot pegs from the boat frame to disassemble and pack the kayak.*

Installing the Rudder Housing (attach to the skin without the kayak frame in)

1. Please check your boat skin and make sure it has been prepared for a rudder installation. The skin should have narrow black plastic tubes protruding through the sides just below the Velcro strip about 4 inches (10 cm) from one end. If your kayak does not have these tubes, please request them from your Pakboats supplier and see the chapter “Preparing your XT kayak for rudder assembly” at the end of these instructions.
2. Please locate the rudder housing, a small aluminum slat with two recessed holes and screws and nuts. Pull out the pin securing the steel bracket to the rudder housing, and remove the steel bracket.

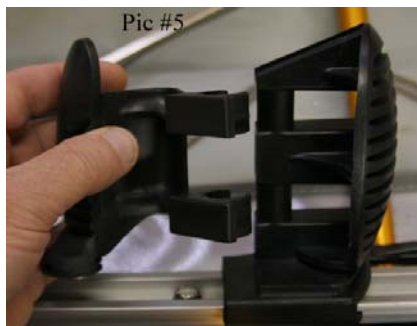


3. Locate marks on the black stem fabric 3 inches (7.5 cm) below the Velcro strip. Drill a hole through the fabric with a 5/32 inch (4 mm) drill bit as shown in Picture 3. Place the aluminum slat on the inside of the skin with its upper hole on the hole you just drilled and put one of your screws through the hole to the outside. Drill another hole through the other mark and repeat with the



other screw. Place the rudder housing bracket on the screws and secure with the nuts provided (Picture 4). Please install the rudder housing on its bracket.

Installing the foot control pedals.



1. First, locate the foot control pedals and springs. Please note that each pedal has an opening for the cable on one side. That side should be next to the side of the kayak once the pedal is installed. Each pedal clips to the foot pegs as shown in Picture 5. Please complete the foot pedal installation by installing the two springs for each pedal (Picture 6).



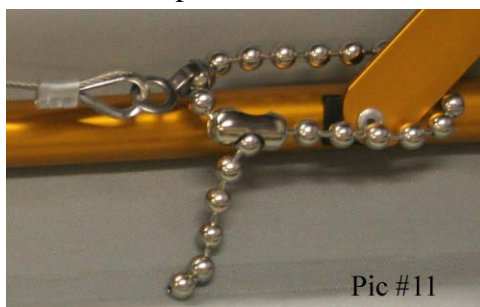
Installing the control cables (with the kayak frame in the skin)



1. Start by inserting each control cable from the stern, in through one of the plastic tubes protruding through the skin near the rudder housing, then forward to the foot control. At each cross rib position, run the cable behind the cord and on top of the rib pin lever as in Picture 7.
2. Feed the cable through the opening in the side of the control pedal, then below and through an opening in the foot peg pedal and through the opening at the end of the foot peg rail (Picture 8).
3. Make a clean cut of the stern end of the control cable and insert the end through a swage piece, through the eye of a snap hook and back through the swage. Make roughly a $\frac{3}{4}$ inch loop (20 mm) and compress the swage with a crimping tool (like in Picture 10). Connect the snap hook to the rudder housing. Repeat this process on the other side of the kayak.



hook on the other loose end as described under #3 (see Picture 10). Repeat with the control cable on the other side of the kayak.



4. Turn the rudder housing to pull the control cable as far back as possible on one side and cut the cable 3 inches (7.5 cm) forward of the vertical slat closest to the stern (Picture 9). Insert the end through a swage, around a thimble and back through the swage. Make the loop around the thimble as tight as you can and compress the swage. Install a snap hook on the other loose end as described under #3 (see Picture 10). Repeat with the control cable on the other side of the kayak.
5. Pull the control cables forward to tighten at the bow end. Cut the cables a few inches forward of any likely Foot Peg Rail position. Insert a thimble through the eyelet on a ball chain fitting (see Picture 11) and secure the cable around the thimble as described above. Attach ball chain as shown on Picture 11. The ball chain makes the effective cable length adjustable in steps of less than $\frac{1}{4}$ inch (6 mm).



Installing the Rudder Blade.

1. Locate the “dial” on the left side of the rudder housing (bottom of Picture 12). It is secured in place by a cotter pin on the right (Picture 13). Remove the pin and pull the “dial” out. Position the rudder blade in the rudder housing with the straight edge facing forward and the spring aligned with the “dial” opening. Insert the dial enough to engage the spring and turn it clockwise about $\frac{1}{2}$ turn. This will spring load the rudder blade into the deployed position. Check the spring by pushing the rudder blade back. If the spring action seems too hard,



ease off a little on the “dial”. For stronger spring action, turn the dial clockwise. To lock, press the “dial” all the way in and secure with the cotter pin.

Retracting the Rudder Blade.



1. Locate the black cord and cleat (Picture 14) supplied with the rudder assembly. Insert the cord through the eye of the pin that connects the rudder housing to its bracket, then through the guide (top left corner of Picture 13). Attach the end of the cord to the rudder blade at the hole just above the waterline.
2. Run the cord along the kayak side, utilizing the D-rings for support. Secure the cockpit end of the cord with the cleat and ball shown in Picture 14. The rudder can be retracted by pulling the cord.
3. Secure the cleat in a convenient position next to the cockpit, using the screws, nuts foam and aluminum slat provided. The foam should face the fabric under the deck.



Preparing your XT Kayak for rudder Assembly.



1. Locate a point 4.5 inches forward from the center of the stern, just below the Velcro strip. Make a hole with an awl (Picture 15), and feed the plastic tube on a cable patch through the hole from inside the skin. With the cable patch flush on the skin, mark an area around the patch a little larger than the patch itself with masking tape.
2. Coat the marked area of the skin and the patch itself with the adhesive from the repair kit. Wait for the adhesive to feel dry to the touch and press the surfaces firmly together. See Picture 16. Heating the adhesive surfaces with a hair drier makes the process quicker and easier.

