



Assembly Instructions

for

Puffin Saranac



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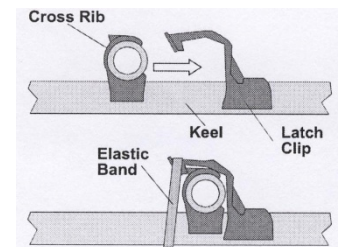
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Assembling the Puffin Saranac. *We recommend that you study this manual carefully before you start the assembly procedure. When assembling the Puffin Saranac, please refer to the illustrations on the cover of this instruction manual.*

- 1. Lay out the Boat Skin and assemble all the straight rods.** The sections of the long rods are internally connected by elastic cords to ensure correct assembly.
- 2. Insert both Gunwales into the sleeves along each the edges of the Boat Skin as far as they will go. Drop the Gunwale ends inside the skin and close the flaps over the Gunwale ends.** The channel openings are under the flaps inside one end of the boat skin. The gunwales are the two longest straight rods. *Note: If it is hard to get the gunwale ends inside the skin, leave them for now. It will be easier after step 6.*
- 3. Connect Keel and Stems.** The keel is the rod with plastic clips attached. The stems have a plastic clip at one end and a narrow section at the other end. Insert the narrow sections into the ends of the keel.
- 4. Position the Keel and Stem assembly inside the Boat Skin and connect the Stems to the aluminum tube stubs at each end of the Boat Skin.** *Note: The keel will be angled at the center. It will gradually straighten as the Puffin is assembled.*
- 5. Connect Cross Ribs (5) to the Keel.** *Note: See cross rib numbers on illustrations on the front cover.* Turn one of the cross rib (5) so that the open side of the plastic component at its center faces into a latch clip at the center of the keel. Snap the cross rib into the latch and secure by pulling the elastic band over the end of the latch.
- 6. Connect Cross Ribs (5) to the Gunwales.** Unlock the clips at the ends of cross ribs (5) by turning the sleeves so the “wing” faces partly inward. Snap the cross rib ends to the gunwales through the openings in the gunwale channels of the boat skin. (It will require a little force to push the keel into place.) Turn the locking sleeves on the connecting clips so



the “wings” are flush with the sides of the boat. Make sure the stems are in alignment with the ends of the boat skin. If you had problems in Step 2, push the gunwales all the way in and drop them inside the skin. Close and secure the flaps to cover the gunwale ends.

- 7. Repeat the procedure in step 5 and 6 with Cross Ribs (4).**
- 8. Repeat the procedure in step 5 and 6 with Cross Ribs (3), (2), and (1).**
- 9. Inflate the Flotation Tubes.** Starting with the upper chambers, inflate to a pressure that is easy to achieve with the pump. When you are done, the keel rod should be between the white lines in the bottom of the boat skin.
- 10. Install the black fabric End Caps.** Hook the end of the end cap over the end of the hull, pull tight, and secure with the matching Velcro strips on hull and end cap.

THE HULL IS NOW COMPLETE

INSTALLING THE SEATS

The inflatable seats have a valve and a support frame on the back. At the front of the seat are two short straps with snaps at the ends.

The Cross Rib immediately behind each seat is supported by a thwart (cross brace). To allow both double and solo seating, one of the thwarts has been made removable so it can be installed on a Cross Rib (4) or (5). See picture.



Installing Seats for Double.

- 1. Install the removable thwart on a Cross Rib (5)** as shown in illustration on the front cover.
Note: The clips at the ends of the thwart should be in the unlocked position (wing out to the side) for installation and should then be locked (wing straight down).
- 2. Inflate the seats.** The seats are most comfortable if they are just filled with air, but not pressurized.
- 3. Place one seat just in front of each thwart.**
- 4. Run the front straps around the Cross Ribs (4) and secure the snaps.**
- 5. Run the rear seat strap under the cross rib, over the thwart, and secure with the buckle.**

Installing Seat for Solo.

- 1. Install the removable thwart on a Cross Rib (4)** as shown in illustration on the front cover.
- 2. Inflate the seat.** The seat is most comfortable if it is just filled with air, but not pressurized.
- 3. Place the seat just in front of the thwart on Cross Rib (4).**
- 4. Run the front straps around the Cross Ribs (4) and secure the snaps.**
- 5. Run the rear seat strap under the cross rib, over the thwart, and secure with the buckle.**

Disassembling the Puffin Saranac.

Disassembling is essentially the assembly process in reverse, but there are a few important details to keep in mind.

To remove the gunwales:

- Open the flaps covering the gunwale ends and lift the gunwale ends free of the boat skin.
- Move to the other end of the boat and grip the side fabric on one side just below the gunwale about a foot (30 cm) from the end.
- Push with the other hand against the end of the gunwale.
- Straighten the boat skin, move your hands, and repeat the process on both sides until the gunwales can easily be pulled out. It is helpful to make the gunwales curve when you pull out the gunwales (this will help prevent the connections from pulling apart).

To fold up the skin:

- Open the air tube valves.
- Fold the skin lengthwise with the first fold along the side of the keel strip. Then fold in half (again lengthwise).
- Starting from the end opposite the valves on the flotation tubes, fold the skin to a length that will fit into the boat bag.

Some general information about your Puffin Saranac.

Patches and reinforcements:

Punctures and abrasions to the boat skin are easily repaired with the enclosed repair kit.

- Cut a patch to cover the damaged area plus $\frac{3}{4}$ " around it.
- Round the corners of the patch.
- Clean the patch and the area to be covered. Apply a thin coat of adhesive to both surfaces.
- Wait until the adhesive feels dry to the touch. Make sure the surfaces are pressed together well.

The Puffin can be used immediately after the repair, but the bond will gradually strengthen for 24 hours.

You can add reinforcement to wear areas. After some use it is easy to see which areas are exposed to wear. Simply install patches of the same color fabric.

Punctures of the inflatable tubes can be repaired with the adhesive in the repair kit and a patch. The patch material in the repair kit can be used on the air tubes as well. Follow the above procedure. It is important to clean the surfaces well before applying the adhesive.

Note: Adhesives work best on rough surfaces. We recommend using fine sand paper before adhesives are applied.

Note: if you use 303 Protectant or similar product to protect your Puffin against harmful UV rays, you have to remove the protectant completely before applying a patch.

Note: Heat from the sun can cause increased pressure in inflatable parts. To avoid damage, you should pay attention to how hard your flotation tubes become, and let out some air to relieve the pressure if you suspect that the tubes may be getting too hard.