



Puffin II

Assembly and User Information

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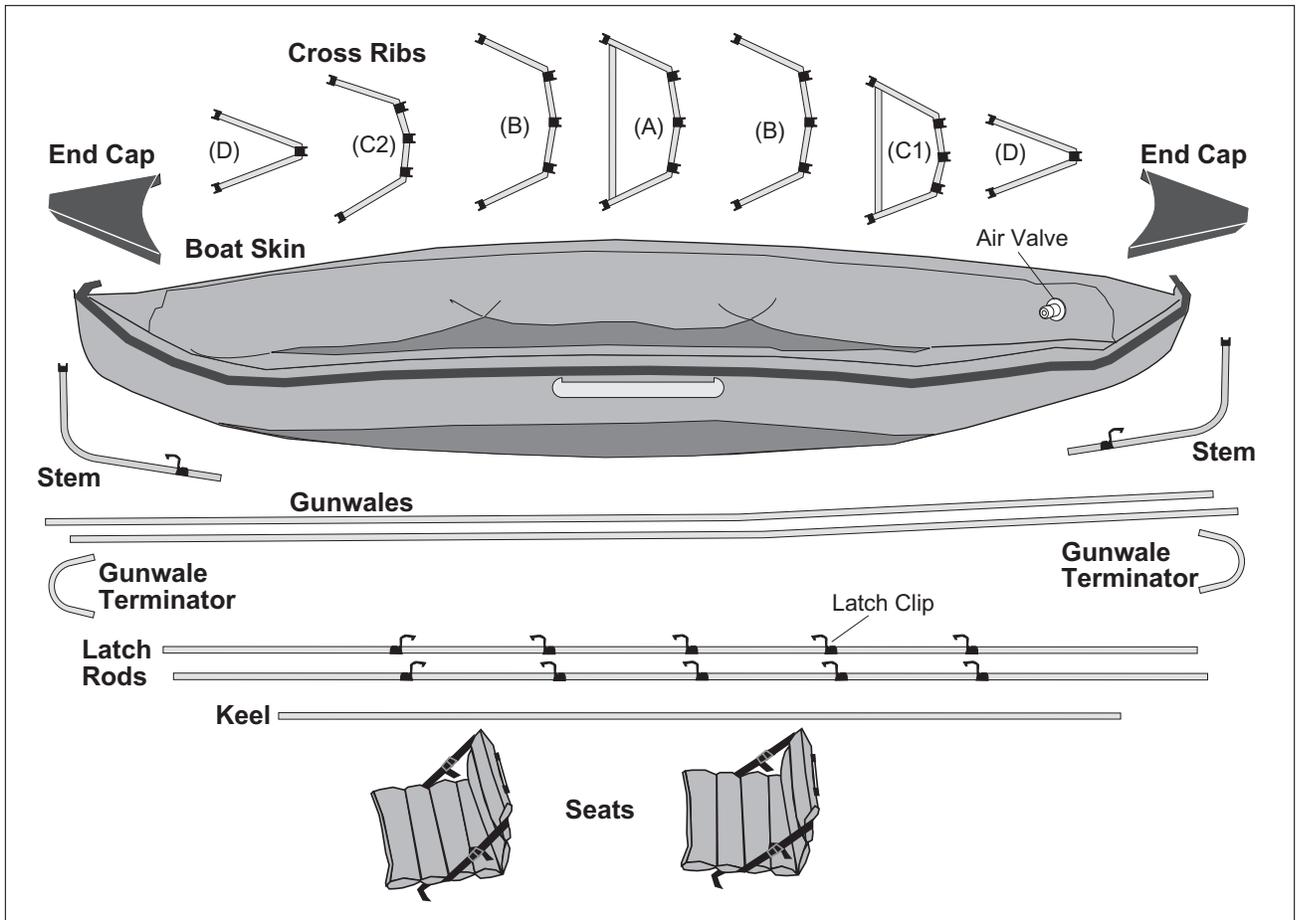


Figure 1, Parts

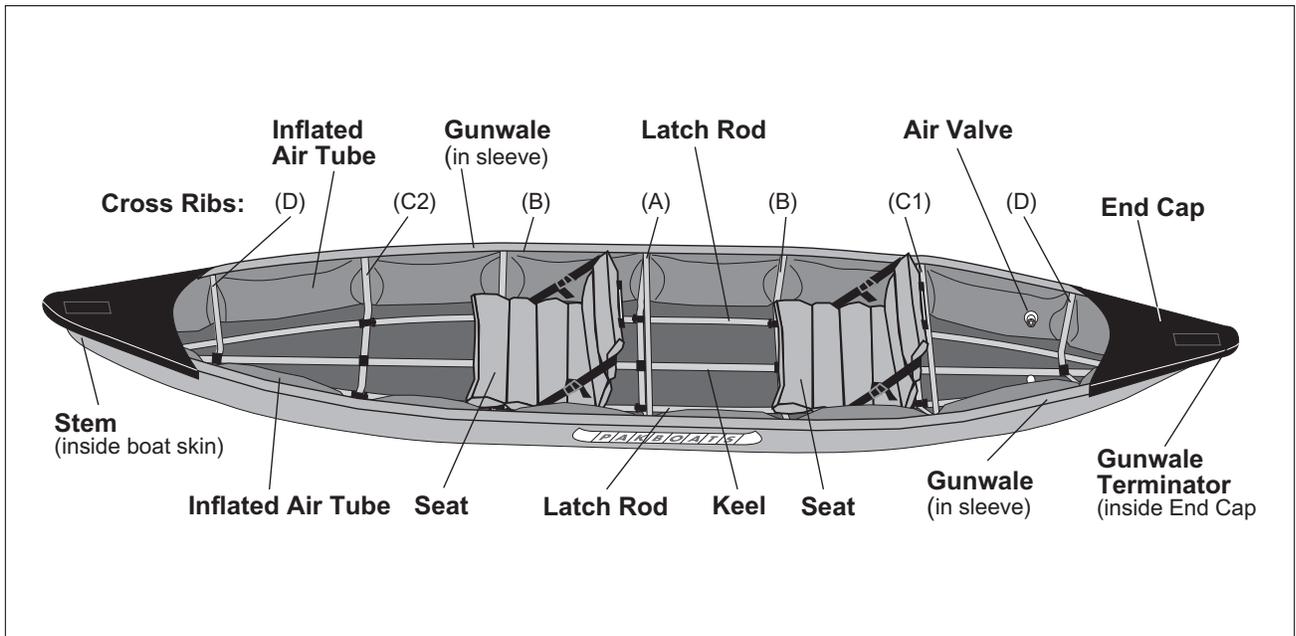


Figure 2, Assembled

Assembling the Puffin II

NOTE! We recommend that you study this manual carefully before you start the assembly procedure! When assembling the Puffin II, please refer to Figure 1 and Figure 2 of this manual.

1. Unpack Puffin II from the bag.

→ Roll out the *boat skin*, unfold the shock-corded rods, and lay out the *cross ribs*.

2. Insert both *gunwales* into the sleeves.

The two longest rods are *gunwales*.

→ Insert the *gunwales* into the sleeves along the edges of the *boat skin*.

TIP You may find it easier to insert *gunwale rods* by folding the hull lengthwise so the sleeves lay one atop the other. Starting with the sleeve on top, slide a rod in while gradually rotating. Once fully inserted, flip hull over so the empty sleeve is on top, and repeat.

3. Mount the *gunwale terminators*.

The horseshoe shaped parts are *gunwale terminators*.

→ With the boat bottom flat on the ground, insert one end of a *gunwale terminator* fully into the end of a *gunwale*.

→ Put the other end into the other *gunwale* (it will barely go in at all).

TIP Spread the *gunwales* apart until the tube aligns with the *gunwale terminator* and slip the *terminator* into place. You may find it is simplest to align the *gunwales* by pushing them apart with your legs from inside the PUFFIN II.

→ Pull the hull up around the *gunwale terminator*.

→ Repeat the process at the other end of the *gunwales*, being sure the hull is pulled up around the *gunwale terminators* at both ends. Make sure the *gunwale sleeve* ends are centered on the terminators before continuing to step 4.

4. Mount the *keel* and *stems*.

The shortest rod is the *keel*. The curved parts with metal forks are *stems*.

→ Place the *keel* in the PUFFIN II.

→ Insert the narrow end of one *stem* into the *keel rod* end.

→ Lift the *gunwales* and clip the *gunwale terminator* onto the top of the stem.

→ Repeat the process with the other stem at the other end of the PUFFIN II.

TIP Push the middle of the *keel* temporarily to the side if clipping the second *stem* into place is a tight fit.

4. Mount the *latch rods*.

The remaining rods are the *latch rods* and fit onto the *forks* on the *stems*.

- Attach a *latch rod* to a *fork* at one end.
- Make the *rod* form an even arc and attach to the *fork* at the other end.
- Repeat the process with the other *latch rod*.

IMPORTANT: Be sure that the center latches on both rods face the same direction and that all latches are on top of installed rods.

NOTE: When the *latch rods* are installed the *stems* are pushed into the ends of the hull, exposing the narrow sections that were inserted into the keel. If the joints of the keel rod start separating, pull the keel rod away from the *stems* enough to close the keel joints.

5. Mount *Cross Rib (A)*.

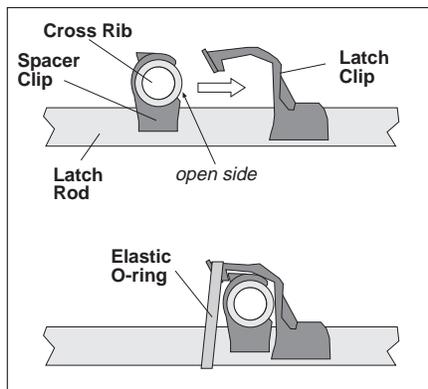


Figure 3, Latch Clip

Cross Rib (A) is the widest one with a thwart.

- Get into the PUFFIN II and position yourself so the open side of the center-most latches face you, about a foot away.
- Pick up *cross rib (A)* and turn it so the open side of the *spacer clips* face the open latches. See Fig. 3.
- Hold the *cross rib* inside and across the PUFFIN II between you and the latches. Tilt the top ends of the *cross rib* away from you.
- Insert one end into the opening in the *gunwale sleeve* and press the end of the *cross rib* up and against the *gunwale* so the c-clip snaps around and holds it.
- Repeat with the other end of the *cross rib*.
- Pivot the bottom of the *cross rib* towards the latches, with the *latch rods* lined up to receive the *spacer clips* on the *cross rib*.
- Pivot the *cross rib* all the way so both latches snap shut around it
- Slide the elastic o-ring fasteners into place over the ends of the *latch clips*, preventing them from opening.

6. Mount the two *cross ribs (B)*.

- *Cross ribs (B)* are mounted in front of and behind the one already installed.

7. Mount *cross rib (C1)*.

(C1) is the smaller *cross rib* with a thwart.

- Install *cross rib (C1)* two spaces behind the center rib, that is towards the end where the air valves are.

8. Mount the three remaining *cross ribs (C2)* and (D).

- Repeat the process with the remaining *cross ribs*.

IMPORTANT: Remember to position each *cross rib* with the open side of the *spacer clips* facing the open latches.

9 Inflate the *air tubes*.

→ Inflate one *air tube* so it is full, but has no significant pressure.

→ Inflate the other *air tube* enough to place the *keel* between the two white lines in the bottom of the *skin*.

→ Add air to both *tubes* to desired pressure.

NOTE: Opening the smaller valve cap exposes a one-way valve that fits the nacelle on the pump.

→ Pull the *air tubes* up towards the gunwales.

10. Inflate the *seats*.

→ The *air valves* are located on the side of each *seat*.

11. Install the *seats*.

The *seats* are installed just in front of each thwart.

→ Set the seat into position.

→ Loop the forward seat straps around the *cross rib*.

→ Set the snaps.

12. Mount the fabric *end caps*.

The *end caps* are attached by means of Velcro fasteners.

HAPPY PADDLING!

Configuring Puffin II for solo seating.

The above procedure configures the boat as a double.

For solo seating, move the *wide cross rib with a thwart (A)*, back one position, and move *cross rib (C1, the smaller one with a thwart)*, to the bow end as indicated below.

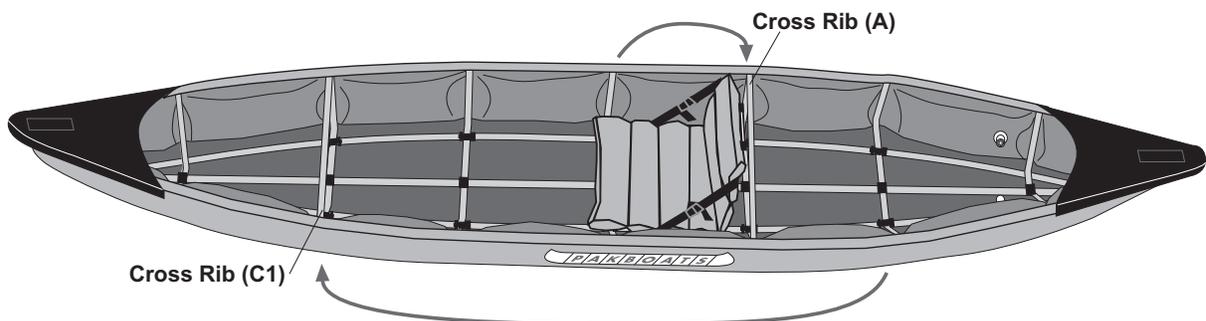


Figure 4, Configuring for solo seating

Disassembly and Packing

1. Remove fabric *end caps*

2. Open valves on *air tubes* and *seats*.

NOTE: Opening the large valve cap on each air tube lets the air out very quickly.

3. Remove *seats*.

4. Remove *cross ribs*.

→ Undo o-ring fasteners, lift up on latches and pivot *cross ribs* out of position, until they release from the gunwales.

NOTE: If the latches are hard to lift up, push the cross rib back into the latches, then lift up on the latches and pivot cross rib out.

5. Remove *latch rods*

→ Remove *latch rods* by lifting in the center.

6. Remove *stems* and *keel*

→ Remove *stems* and *keel* by stepping on each *stem* and lifting the *gunwale terminator* off the top of the *stem*.

TIP Move the *keel* to the side to decrease tension in the hull when the first end is removed.

7. Remove the *gunwale terminators*

→ Fold the end of the skin down so the *gunwale terminator* can be removed.

→ Push the gunwales apart, with the correct alignment until they slip out easily.

TIP Step into the PUFFIN II and push the *gunwales* apart with your legs to achieve the correct alignment.

8. Pull out the *gunwales*

→ Fold the ends of the hull out of the way and pull the gunwales out.

TIP Holding the *gunwale rod* in a slight arc will help keep the joints from separating as you pull. *Do not allow the joints of the gunwale rods to separate.* If they do not slide easily, use the *keel rod* to push the *gunwale* half way out, then pull the rods out.

9. Fold up all the longitudinal *rods*

→ Start at the center.

10. Roll up the *hull* with the *rods* inside

→ Lay out the PUFFIN II *hull* with the bottom flat on the ground and the sides folded in towards the center.

→ Place all the folded longitudinal *rods* on end of the *hull*, opposite to the *air valves*.

→ Roll up the *hull* with the *rods* and secure with a strap.

11. Place the rolled up PUFFIN II *hull* in the storage bag.

Then load in the other components, *stems* and *cross ribs*.

Safety

- **Always wear a personal flotation device.**
- **Know your abilities and do not exceed them.**
- **Be aware of changing weather conditions.**

General Information

Storage Your PUFFIN II is equally happy stored assembled or packed in the bag.

Salt Water Following exposure to salt water, rinse the PUFFIN II in fresh water if you can. This will help preserve the PUFFIN II's appearance.

Repairs HULL - If you need to repair a puncture or abrasion of the hull, use a patch of the same material and the repair kit adhesive. Cut a patch to cover an area about 3/4" past the damaged area of the hull. Round the corners of the patch. Cover the patch and the area the patch will cover with a thin coat of adhesive. Wait until the adhesive feels dry to the touch and immediately apply patch. Press down well. The adhesive will cure for twenty-four hours, but the PUFFIN II can go in the water immediately after a patch is applied.

AIR TUBES - A puncture of an air tube can be repaired the same way as the hull.

Small punctures may be repaired without a patch. Coat the puncture repeatedly with the repair kit adhesive, letting the adhesive dry between each coat.

*NOTE: There must be **no pressure** in the tube or seat when being repaired.*