

ALLY CANOE ASSEMBLY INSTRUCTIONS



Bergans
OF NORWAY

ALLY

WHAT YOU SHOULD KNOW ABOUT YOUR FOLDING CANOE

The Ally folding canoe is developed and manufactured in Norway. Its low weight, great flexibility and durable construction have made it the choice of expeditions worldwide.

The Ally folding canoe is a special product, which requires that you familiarize yourself with its unique construction to get optimum use out of it. We therefore recommend that you read carefully through all the assembly instructions before you start assembly for the first time.

BEFORE YOU START ASSEMBLY

The Ally folding canoe consists of many parts, which may at first seem overwhelming. However, the assembly procedure is relatively simple once you become familiar with the function of each individual part. Spend a little time to study the construction before you begin. Your first assembly will likely take a while, but with a little practice it should take no longer than 15-20 minutes.

Note the following principles:

- Read the assembly instructions carefully.
- Sort and lay out the parts into their respective subset groups.
- Avoid first time assembly in high temperature conditions since the aluminum stays will have expanded while the canoe skin has not - making it a tighter fit than normal.
- Don't worry that the chine (lengthwise) rods appear too long for the canoe at first. The skin will stretch to fit.
- Two people can assemble the canoe with less effort than if you attempt to do it solo.
- Step on the canoe skin only when it lies flat on land, or when the canoe is on the water. Avoid placing it on gravel, sharp rocks etc.

THE ALLY FOLDING CANOE IS AVAILABLE IN THE FOLLOWING LENGTHS:

15' - 16,5' - 18' - 15,5' - 17' and 18,5'

THE FOLLOWING PARTS ARE INCLUDED IN YOUR ALLY CANOE SET:

ALLY 15'/15,5'

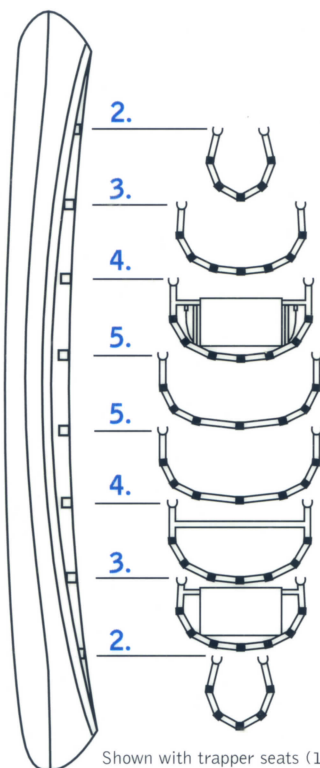
- 1 skin
- 1 mat
- 2 seats
- 2 stems (bow & stern)
- 1 keel rod
- 2 gunwale rods
- 3 double chine rods
- 7 cross ribs
- 2 straps (short & long)
- 1 mallet
- 1 repair kit

ALLY 16,5'/17'

- 1 skin
- 1 mat
- 2 seats
- 2 stems (bow & stern)
- 1 keel rod
- 2 gunwale rods
- 3 double chine rods
- 8 cross ribs
- 2 straps (short & long)
- 1 mallet
- 1 repair kit

ALLY 18'/18,5'

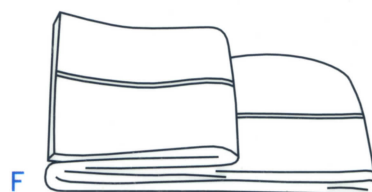
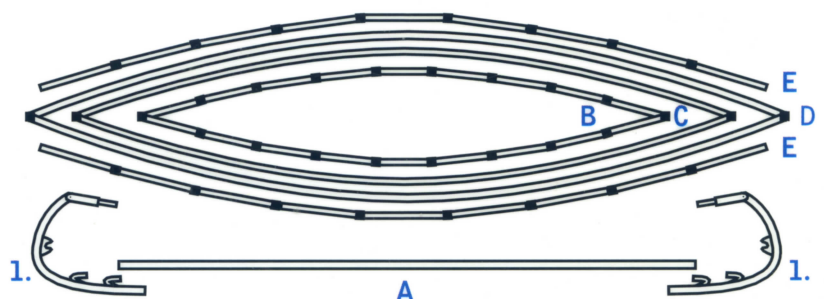
- 1 skin
- 1 mat
- 2 seats
- 2 stems (bow & stern)
- 1 keel rod
- 2 gunwale rods
- 3 double chine rods
- 9 cross ribs
- 2 straps (short & long)
- 1 mallet
- 1 repair kit



Shown with trapper seats (16,5').

- Stem and cross ribs:
1. Stem (bow & stern)
 2. 2nd cross rib
 3. 3rd cross rib
 4. 4th cross rib
 5. 5th cross rib
 6. 6th cross rib

- A: Keel rod
- B: Inner chine rod (2 each joined)
- C: Outer chine rod (2 each joined)
- D: Waterline chine rod (2 each joined)
- E: Gunwales (2 each)
- F: Reinforced skin
- G: Foam mat



ALLY CANOE ASSEMBLY INSTRUCTIONS



1. The Ally folding canoe is delivered disassembled in a cardboard box. Unpack the box and check that all parts are included according to the parts list above.



2. Unroll the mat and sort the cross ribs by size. Join the two-piece chine rods and sort them by length.



3. Lay the skin down flat on its side and insert the gunwale rods through the skin channels. Make sure that the black O-rings show through the open slots of the channels. Both rod ends should now show in the last slot toward both ends, bow and stern.



4. Unfold the skin to its open position. By grabbing the foam mat folded up at its midpoint, place it inside the skin as shown.



5. Make sure the foam mat is centered with the tips sticking up at both ends. "Shaking" it in place, as shown in the picture, may help position it right.



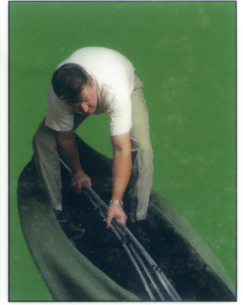
6. Insert the stems (bow and stern) by first threading the short end pieces onto the gunwale rod ends.



7. Rotate the bow stem pushing it down inside the skin until the straight stem-end point upward at a 45° angle (approximately). Repeat for the stern stem.



8. Install both the left and right inner chine rods (the shortest rods) by attaching them to the lower most positioned hook on each stem. Next, install the outer chine (left and right) rods to the middle hook on the stem. Then, grab hold of all four chine rods (inner and outer, left and right) and push them down toward the bottom centerline of the boat to help position the mat.



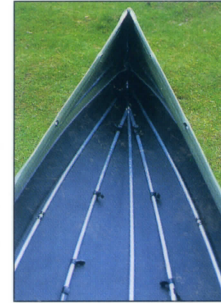
9. Insert the keel rod in the straight stem ends for both bow and stern. The keel rod will likely bow upward.



10. Install the left and right waterline chine rods (the longest rods) by attaching them to the upper most positioned hooks. Again, grab hold of all the rods and press them down into the bottom centerline of the boat.



11. The foam mat has yet to form to proper shape and wrinkles most likely will appear around the bow and stern. Pull the skin upward to smooth any wrinkles. Alternatively, repeat pressing all rods down along the centerline making sure that the mat compacts and folds nicely around the rods at the bow and stern. The chine rods can now be spread to their respective left and right side positions (see picture).



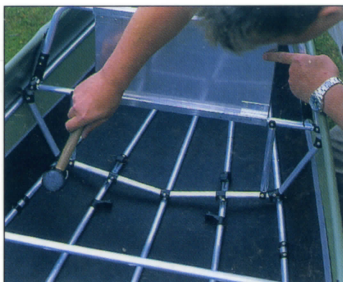
12. The chine rods should now all be positioned as pictured. Next, turn all the plastic connectors on the rods facing up. Before moving on, inspect the assembly to make sure that the mat is positioned symmetrically around the centerline and that all the rods are in position.



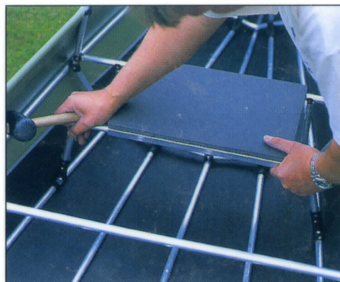
13. It is time to install the first cross rib. Start by locating the second to widest cross rib and positioning it loosely in place to hold the partial canoe assembly up and wide. Also, locate the mallet for your next move.



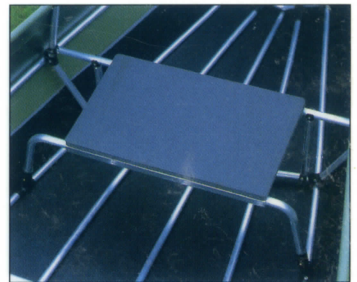
14. Install the widest cross rib in the middle of the canoe. Start by holding it at a slight angle to the vertical and attaching the c-clips between the o-rings on the gunwale rods. Push the cross rib to vertical position while adjusting the chine rod locking clips to mate up to the cross rib attach points. Use the mallet carefully to tap the cross rib into place in the chine rod locking clips. Repeat for each cross rib working from the center of the canoe towards bow and stern.



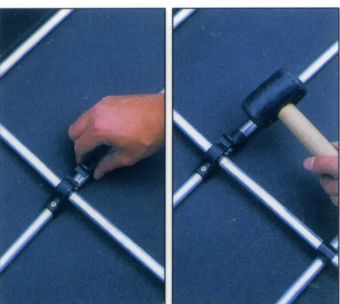
15. Trapper seats are installed such that one side rests on top of the horizontal cross rib.



16. Install the trapper seat by locking the seat leg c-clips onto the outer chine rods. Make sure the c-clips are positioned between the o-rings to prevent the seat from sliding (forwards or aft).



17. The seat angle can be adjusted by raising/lowering the c-clip position.



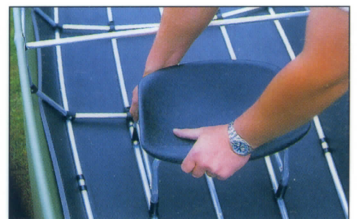
18. Tap all chine rod locking clips to their locked position.



19. Your Ally canoe is now completely assembled.



20. If you have chosen standard bucket seats for your Ally canoe select the appropriate width, height and seat angle for the individual who will be sitting in it before installing it.



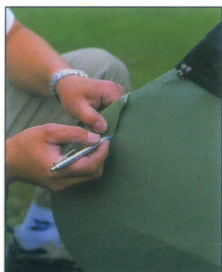
21. Install the bucket seat by pressing the c-clips to lock onto the inner chine rods.

Your Ally canoe is now ready. Have a good trip!

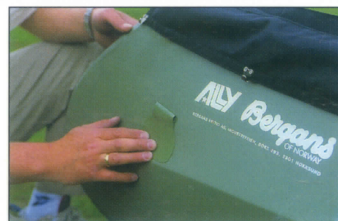
INSTALLATION OF ALLY SPRAYCOVER

The spraycover kit consists of the following parts:

Spraycover
Skirts (2 each)
Cap
Attach-loops
Bungee cord
Resin



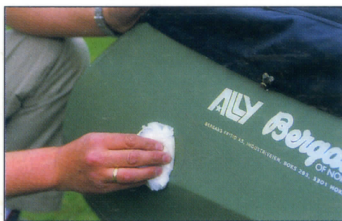
1. Pull the spraycover over your Ally canoe. Start at the bow and with a pen mark off the area where you want to bond on the first attach-loop, approximately 15 cm (6") below the rim.



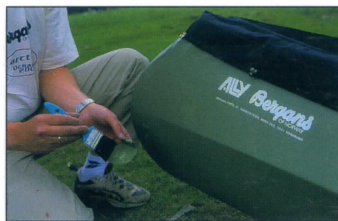
2. Mark off the bonding area for the next attach loop, approximately 19 cm (7.5") below the rim and midway between hooks 1 and 2 on the spraycover.



3. The remainder of the attach-loops should all be positioned midway between successive hooks. However, make sure that the attach-loops, where you will later thread the bungee cord through, all are located just above the waterline. Work your way around and finish like you started on the other side.



4. To enhance the bond, wash both the marked canoe skin bond area and the attach-loop bond area with acetone. A simple cotton cloth may be used.



5. Ally resin should be applied with a brush to both bonding areas. Concentrate on one attach-loop and its mating skin bond area at a time. Bond on each attach-loop when the applied resin starts to take on a lighter color shade.



6. Thread the bungee cord through the attach loops and secure the two ends by tying them together. You can now hook the spraycover on to the bungee cord all the way around.



7. The cap and skirt is installed through the spraycover channel.*

Your Ally canoe with spraycover is now ready. We hope you have many memorable trips!

REPAIRS

Your Ally canoe is sturdy and durable. Small skin punctures are easily repaired using the included repair kit.

REPLACEMENT PARTS

One of the great advantages with the Ally folding canoe is that all parts can be replaced individually.

Whether you break, damage or lose a part the fix is affordable.

This includes the spring and wire system used in the chine rod joints.

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