



Saturn KM Series D Inflatable Boat Assembly Manual

Model: KM300D/330D/360D

Package Contents

Your inflatable boat is delivered in two separate bags:

- **Bag 1:** Inflatable boat with all standard accessories
- **Bag 2:** Rigid floorboard set (plywood panels)

Standard Accessories Included:

- 2x Aluminum oars
- 2x Marine-grade plywood bench seats
- 1x High-pressure air pump
- 1x Basic repair kit (contents and usage explained in future materials)

Preparation Before Assembly

1. Choose Assembly Area

Select a flat, clean surface free of sharp objects that could puncture the boat (e.g., stones, sticks, glass).

2. Unpack the Boat

Remove the boat from the carrying bag and unroll it completely on your chosen surface.

Inflating the Boat (Initial Stage)

1. Check Valve Positions

Ensure inflation valves are in the *closed* position (pushpin up) before pumping. Inflating with valves open will cause air to escape when the pump is removed.

2. Partial Inflation

Inflate all side chambers to approximately **1/3 of their capacity**. This will make it easier to install the floorboards.

Installing the Floorboard

1. Identify Panels

The floorboard is divided into numbered sections:

- **Section A:** Bow (front) panel
- Final section: Stern (rear) panel

2. Insert Panels

- Begin by placing Section A into the boat with the **smooth side facing down**.
- Align the keel valve through the hole in this panel.
- Continue inserting the remaining panels, fitting each into the adjoining profile grooves.

3. Install Stern Panel

- Press the final panel against the **stern supports** on the transom.
 - Guide it carefully into the last floor profile and lay it flat.
-

Securing with Stringers

1. Install Stringers

- Slide the metal **stringers** (side rails) over the edge of the floor panels where they meet the boat tubes.
 - Ensure they are securely in place for maximum floor stability.
 - Repeat for the opposite side.
-

Installing the Bench Seats

1. Insert the **plywood benches** into the designated seat brackets along the sides of the boat.
 2. This must be done **before** full inflation, as it will be difficult afterward.
-

Final Inflation Steps

1. Inflate Side Tubes

- Begin with the **rear chambers** (stern), then inflate the **front chamber** (bow).
- This sequence supports optimal floatation and activates pressure-relief valves correctly.

2. Inflate Keel

- Use the same pump to inflate the keel chamber via its valve (located through the floorboard hole).
-

Installing Oars

1. Insert the oars into the **oarlocks** located on each side of the boat.
 2. Ensure the oars rotate freely and are securely mounted.
-

Launching

The boat is now fully assembled and ready for water use. Perform a final inspection to ensure all valves are sealed and components are securely in place.

Disassembly and Packing

1. Remove Oars

Detach both oars and set them aside.

2. Deflate Chambers

Open all valves to release air from the side tubes and keel. You may use the pump in reverse (if applicable) to speed up deflation.

3. Remove Benches and Floorboards

Take out the bench seats and disassemble the floorboard panels in reverse order.

4. Fold and Pack

Once all air is out, carefully fold the deflated boat and place it into the original bag along with all components.

