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## Saturn KM Series D Inflatable Boat Assembly Manual

Model: KM300D/330D/360D

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### 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)

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## 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.

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## 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.

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## 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.
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## 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.
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## 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.
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## 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).
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## 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.
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## 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.

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## 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.

