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1. General

1.1 Introduction

This manual has been compiled to help you to operate your inflatable boat with safety and pleasure in mind. It contains details about your new inflatable boat; the equipment supplied or fitted, its systems and information on its operation and maintenance. Please read it carefully and familiarize yourself with the inflatable boat before using it.

If this is your first inflatable boat, or you are changing to a type of craft you are not familiar with, for your own comfort and safety, please ensure that you obtain handling and operation experience before assuming command of the inflatable boat. Your dealer or national sailing federation of yacht club will be pleased to advise you of the local sea schools or competent instructors.

PLEASE KEEP THIS MANUAL IN A SECURE PLACE AND HAND IT OVER TO THE NEW OWNER WHEN YOU SELL THE INFLATABLE BOAT.

1.2 Manufacturer

SATURN INFLATABLES

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Sangdaewon-Dong, Jungwon-ku, Sungnam, Kyungki-do, Korea

Korea factory: 270-4, Hunsin-dong, Sangju-city,

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Distributor:

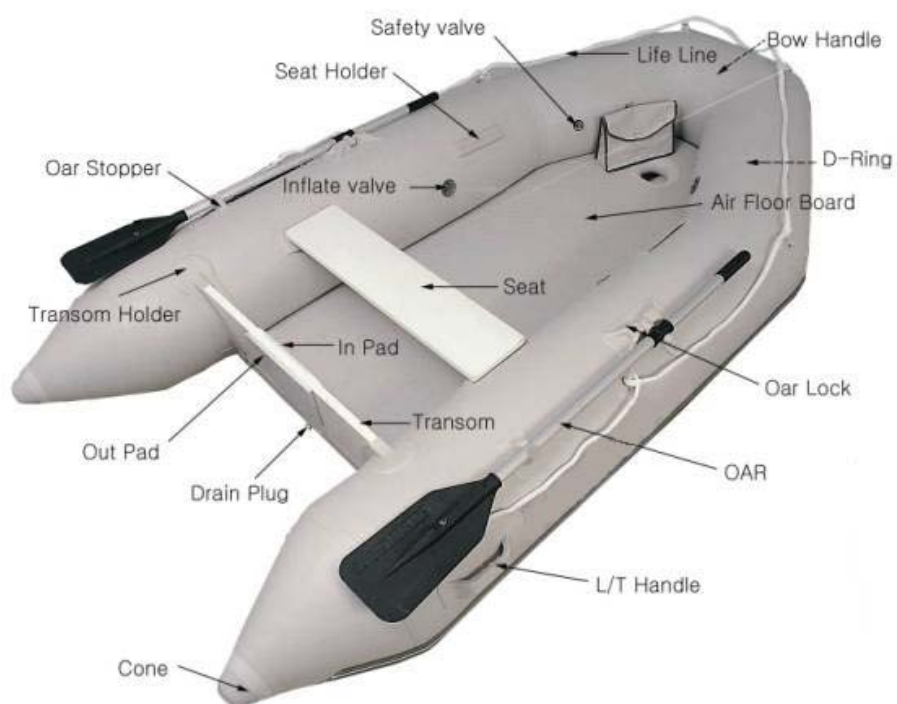
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1.3 Type

Saturn inflatable boat is designed to meet the international standard of ISO 6185, Part I, n, ill and get the type approval from Germanischer Lloyd. So, you can be sure that our boat is safe and reliable.

2. General



2.2 Standard accessories and option

- Repair kit
- Carrying bag
- Oar (Paddle)
- Air floor or wood floor
- Wooden seat - Keel board
- Hand pump or foot pump

3. Warning!

When operating the boat:

- Prevent pollutants from the water around your boat. Using the water for water sports also means taking care of a clean water sports environment.
- Be cautious not to be dangerous to anyone around the boat and not to cause unnecessary noise.
- Be cautious of high speed, because it may cause considerable waves behind the boat.
- Always be cautious of high speeds.
- During inflation. Do not use a compressed air source (i.e., automotive tire air compressor) to inflate boats. Over inflation through the use of compressed air may result in ruptured seams and/or bulkheads.
- Make sure that the motor is in neutral before starting the engine.
- Do not install the outboard motor too high as this causes slipping it on sharp turns. However, installing it too low might causes the water splashes into the boat.
- Be sure to check national and local boating information such as tide tables and charts as well as safety and local law regulations before using your boat.
- Never exceed the weight carrying capacity of the boat's identification plate.
- Each person in the boat should ALWAYS wear a life jacket (Personal Flotation Device approved by local law agency)
- Oars or paddles and a repair parts kit should always be carried with the boat for emergencies.
- All loads placed in the boat should be uniformly distributed to provide proper boat trim when under way.
- Everyone should sit on the floor, not on inflation tubes or the row seat, to prevent falling overboard.
- Always start the engine very slowly.
- Before using the boat, inflate the boat one day prior to use and check if there is any air leakage.
- Avoid the boat's exposure to the sun for any extended periods of time. Store it in cool and shaded area.

4. Assembly

4.1 Air floor boat

- Find flat surface where boat will be assembled.
- Remove any sharp objects from flat surface.
- Unfold and spread boat out flat.
- Verify the valve/cap gasket is in place.
- Connect the pump to the valve and inflate it.
- It is usual that Saturn boat has at least 3 chambers. Begin inflation at bow, starboard and portside.
- Inflate tubes to around 50%.
- When you want to use wood seat, place it when the tube is inflated to around 50%.
- Put in the Air floor and inflate it to around 70%.
- Inflate tubes to 100%.
- Inflate air floor to 100%. - Inflate the keel to 100%
- Install the oars.
- Install the drain plug.

. Do not inflate anyone chamber in full at a time as this causes unnecessary stress to the inside bulkhead. Maintain a balance of air in each chamber. By this method, the bulkheads that divide the main air chambers are maintained so that there is equal pressure and approximate inflated size on each side of the bulkhead.

. Over inflation can cause structural damage to your boat. Do not allow your boat to stand in direct sunlight when out of the water, as this may cause expansion to the point of damage or bursting.
(Maximum air pressure: 0.3 bar)

. How to operate the valve: Depress valve core and rotate clockwise. To open the valve, turn 1/4 clockwise. To close the valve, turn again 1/4 clockwise.

4.2 Wood floor boat

- Find flat surface where boat will be assembled.
- Remove any sharp objects from flat surface
- Unfold and spread boat out flat.
- Verify the valve/cap gasket is in place.
- Connect the pump to the valve and inflate it.
- Begin inflation at starboard portside and bow.

- Inflate tubes to around 30-40%.
- Set No.1 and No.4 floorboard first with the numbers facing
- Then set No.2 and No.3 floorboard.
- Make sure all floorboards are well seated in correct position then push down the joint slowly and firmly until getting flat position.
- Put the aluminum stringer into the sides of floors. In order to put aluminum stringer easier, put an oar under the fabric floor.
- Install the seat board.
- Inflate the tubes to 100%. - Inflate keel to 100%.
- Install the oars.
- Install the drain plug.

5. Mounting motor

Selecting the optimum outboard motor is critical to the performance and long life of your boat.

- Unlock motor for tilting and mount the motor properly.
- The motor should be in the center of the transom.
- Secure the clamps and make sure it is thoroughly tightened.
- Adjust the motor angle.
- For detail information, please refer to your motor documentation or contact the supplier of your motor.

6. Deflation and packing

6.1 Air floor boat

- Before deflation, make the boat is clean and dry.
- To deflate, open valves and let the air out of each chamber.
- Take out seat and oars.
- Deflate the air floor.
- Place both side tubes toward inside of the boat and roll slowly from both ends until all air is expelled.
- To avoid sudden pressure changes on the internal bulkheads try to let the air out as evenly as possible.
- Store the boat inside the carrying bag.

6.2 Wood floorboard boat

- Before deflation, make sure the boat is clean and dry. - Open valves and let the air out of each chamber.
- Remove seat and oars.
- Remove stringer.
- First remove No.2 and No.3 wood floorboard. Then take out No.1 and No.4 wood floorboard.
- Place both side tubes toward inside of the boat and roll slowly from both ends until all air is expelled.
- To avoid sudden pressure changes on the internal bulkheads try to let the air out as evenly as possible.
- Store the boat inside the carrying bag.

7. Warning when running

- In case more than two persons will get on the boat, it is important to decide the sitting position of each person in good consideration of the special features of the boat. When the boat is headed up prior to "plain sailing", it is effective to keep boats bow down, by the weight of the persons sitting toward the bow side. However, an excessive weight there might cause a dangerous head-down position when boat gets "plain sailing". Nevertheless, the extreme sitting of two people on stern in the head up position will cause another risk of overturn, when wind is blowing toward you. Whenever you are turning your boat, reduction in speed is required. Whenever the boat is turning it will tilt considerably inside towards the turning center. Therefore, turning to leeward or when waves are high, might cause the boat flooded with water or its overturn.
- Be very careful about "shallows" or "unknown reefs". Always check local navigational maps where the boat will be operated.
- Avoid boats exposure under direct sunlight for any extended periods of time. Otherwise, by the changing air pressure inside the tubes due to temperature variation, and physical reaction by ultra-violet rays, the aging of the materials will be accelerated.
- Refrain from smoking when you are on the boat or refueling.
- Never go in or around any swimming areas on your boat, as there will be a serious danger for swimmers getting injured by your intrusions.

8. Warning for towing

- If the inflatable boat is towed by another boat, the inflatable MUST BE EMPTY.
- The towing line should be secured to the "D" rings on each side of the boat. The towed boat must be observed continuously.

9. Storage

Allow your boat to dry thoroughly in the shade before storing, never in glaring sunlight. Store your boat in a cool, flat and dry place with some air in the air chambers if at all possible. If not, empty the boat of air completely and roll the boat up loosely, not tightly as this may damage the seams.

10. Cleaning

The surface of the boat should be cleaned with a solution of mild soap and fresh water after each use. To avoid abrasion and wear, be sure that all the sand, small rocks, oil and dirt have been flushed away from the boat surfaces and particularly the inside floor next to the tubes.

11. Repair and maintenance

11.1 Small tear cut and puncture

- Use the enclosed repair kit for small punctures. Clean the fabric around the area to be repaired using M.E.K or acetone then re-clean as before. Apply a coat of glue to the damage part and to the patch material, allow it to dry for 2 _ 3 minutes. Repeat the process at least 3 times, allowing time to dry between each application. It is strongly recommended that all patchwork be allowed to cure at least 24 hours before re-inflating the boat.

! WARNING: NEVER USE PETROL OR SOLVENT FOR CLEANING!

11.2 Large repairs of skin, seams, bulkheads and transom

It is recommended that the boat be returned to a selling dealer for all large repairs.

If this is not possible, contact dealer.