



Z-RAY II 400 SERIES SPORTS BOAT

Instruction Manual

Important safety guide lines for sport boat use
Please read & understand prior to using your boat



ISO 6185 BOAT DESIGN CATEGORY C

BOAT DESIGN CATEGORY C – “INSHORE” :
BOAT DESIGNED FOR VOYAGES IN INSHORE WATERS ONLY.
PLS VOYAGE THE CRAFT IN COASTAL WATERS, LARGE BAYS,
ESTUARIES, LAKES AND RIVERS WHERE CONDITIONS UP TO,
AND INCLUDING, WIND FORCE 6 AND SIGNIFICANT WAVE
HEIGHTS UP TO, AND INCLUDING, 2 M MAY BE EXPERIENCED.

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INTRODUCTION

Congratulations to the purchase of an inflatable boat. Please read this manual carefully before inflating, assembling or using your boat. Also study carefully the manual supplied with your outboard engine.

Familiarise yourself with the features of the boat and the engine and ask for professional training if you are inexperienced in handling this type of boat.

For your full enjoyment it is important to follow proper safety procedures and rules of the waterway that apply to all boats. Always check the local weather conditions before taking the boat out. Do not let yourself get caught out by currents in tidal inlets, open seas, small channels or shallow water regions.

Always use materials of good quality and of the correct specifications whenever working on the boat. Maintenance work and repairs on the boat should be implemented only by qualified personnel.

IMPORTANT: Keep this manual at a dry place in your boat and hand it over to the new owner when selling the boat.

If this is your first craft, or you are not familiar with this type of boat, please ensure that you obtain handling and operating experience before driving this boat. Your dealer or national sailing federation or yacht club will be pleased to advise you of local sea school or competent instructors.

The following illustration will introduce details of the craft, the equipment supplied or fitted and its systems. Please be familiar with each part of the craft before using it.

Sketch Map

High Strength
Nylon Safety
Grab Rope

High Pressure
Valve

Quick Assembly
Wooden Bench
Seat System

PVC-Anti-Bump
Protective
Strake

Heavy Duty PVC
Swivel Oarlock

Durable And
Stronge
Aluminum
Floor Board

Drain Valve

Compliance
Plate

Carring
Handle

Marine Ply
Motor Transom

PVC Cone









All boats have a CIN (Craft Identification Number) and a manufacturer plate. Do not alter, cover or remove the CIN. It may avoid the warranty and can get you into legal problems. Record the CIN of your boat in the designated place on the Declaration of Conformity in this manual. Also write it down at a safe place.

Basic data

Item No.	JL007013-1N
Model No.	Z-ray II 400
Deflated Size	320 x 185cm (126" x 73")
Inflatable Size	310 x 152 x 42cm (122" x 60" x 17")
Max. Power of motor	8 HP 5.9 kw
Capacity (Person)	4
Max. Load Weight(kg)	500 kg 1101Lbs

Accessories

Ref.	Description	Diagram	QTY
1	Boat Body	/	1
2	Repair Kit		1
3	Hand pump		1
4	Oar		2
5	Bench Board		1
6	Pressure Gauge		1
7	Storage Compartment		1

IMPORTANT WARNING:

To enhance the enjoyment of your boat and protect the safety of passengers and operator using the boat, always strictly observe the following safety warning:

- This is not a life saving device. Use only under competent supervision. Never allow diving into this product. Never leave in or near the water when not in use. Never tow from any vehicle. Adult assembly and operation required.
- Adults should inflate the chambers in numbered sequence and use the printed ruler on the hull of boat to check while inflating. Excessive inflating the boat can cause the chambers to burst or cause damage to the welded seams.
- Taking the boating safety course and get hands-on training from your boat dealer or local boating authorities. Review all safety requirements regularly. Never navigate alone.
- A Personal Flotation Device (PFD) is required for each passenger. It is especially important that children and non-swimmers wear a personal flotation device at all times. Children and non-swimmers need special instruction in the use of PFD.
- Use caution when stepping or climbing aboard the boat. Step into the center of the boat for maximum stability. Distribute the weight of passenger, gear, tackle box and accessories evenly so that the boat sits even front to back and side to side.
- Do not use your boat if you suspect a puncture or leak. It might be unsafe.
- Beware of offshore winds and under-currents. These could be unsafe conditions.
- Follow these rules to avoid drowning, paralysis or other serious injuries.
- **WARNING:** It is the responsibility of the boat operator to identify and obey all local and state laws pertaining to boat safety and required safety equipment. Please consult your local authorities to ensure compliance.
- Do not allow unattended children in the boat. Always make sure that at least one responsible adult is supervising all children and those who don't know how to swim at all times.
- Always maintain the proper boat safety equipment in an easily accessible place in your boat. Indicate clearly emergency phone

numbers as well as safety advisories and rules (such as “No jumping or Diving”)

- The total number of persons and total weight shall not exceed the information printed on the boat. Do not exceed the maximum recommended capacities. Overloading violates regulations.

INFLATING AND DEFLATING THE BOAT:

Inflating

If the boat is inflated during cold weather or without direct sunlight on the tubes, care must be taken not to over-inflate the tubes. As the air inside the tubes heats up due to temperature rises or sunshine, the pressure will increase. The boat is not fitted with a safety valve, so the pressure must be monitored at all times.

- Select a clean area free of stones, gravel, sticks or other sharp objects.
- Carefully unfold the boat, spreading out the tubes and floor to make them as smooth as possible. NOTE: For ease of install, it is preferable to set up the boat on a warm and sunny day. If time permits, expose the unrolled boat to direct sunlight for 1 hour or more, so that the boat material will be more flexible during installation.

CAUTION: DO NOT DRAG THE BOAT, AS IT MAY TEAR THE BOAT OR CAUSE OTHER DAMAGE.

- Install the floor in numbered sequence. Number (1) is a wooden board, numbers (2), (3) and (4) are aluminum. When number (1) is in position, slide number (2) up to number (1) and insert the leading edge of number (2) into the grooved rear of number (1). Position the number (3) leading edge into the grooved rear of number (2). Position the rear edge of number (4) into the back of the boat. Lift the rear edge of number (3) to the front of number (4). Both lifted above the floor, connection of (3) and (4). Adjust each board to live up down each side fix the sides lock bars into position with the wide side up. Adjust until the side lock bars slide onto the floor boards.



(A)



(B)



(C)



(D)

- Installation of seat bench

Insert the rods into the seat retaining tubes. Slide the seat into position by inserting the retaining tubes into the grooves, located at each end of seat bench. Insert into both ends of the seat at the same time. Position the seat to be in the middle of the retaining tubes.



(E)



(F)



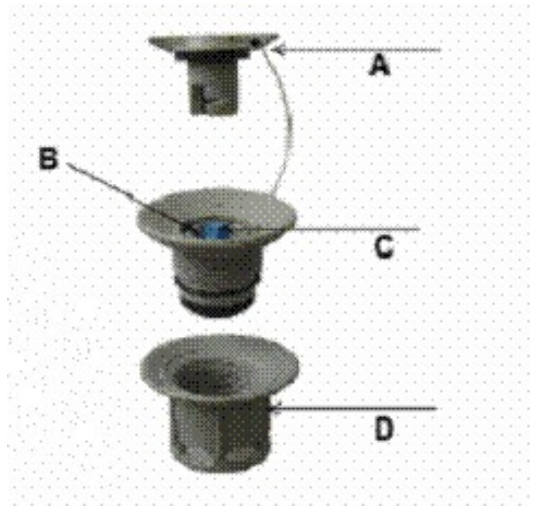
(G)



(H)

- Structure of the safety valve

- A. Valve cap
- B. Inflating mouth
- C. Deflation button
- D. protective sheath



Unscrew the valve cap A. Assemble the inflation adaptor and air pressure meter with air pump.



Caution: Do not over inflate, or use a high-pressure pump!

Please inflate the boat by number sequence. Do not over inflate.

Maximum pressure for air chambers

- 1 + 2 → 0,25 bar (3,63 PSI)
- 3 → 0,25 bar (3,63 PSI)

After inflating screw the valve cap A in clockwise direction by hand.

Deflating:

Remove the valve cap A, push down the deflation button C and turn the valve by 90° until its is locked. Release the valve and the air will flow out. If you want to stop the deflation, push down the deflation button C and turn it by 90°. The deflation will stop when the valve is released.

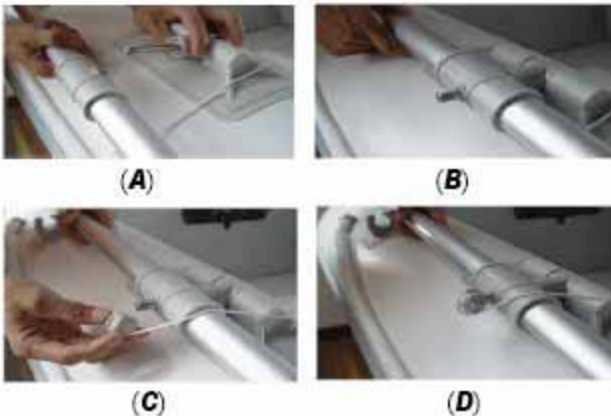
Assembly of the oar

Assemble the section of the oar by depressing the spring loaded pin and inserting the sections of oar until the pins lock into their retaining holes.



Installation of oars

Insert the bolt on the swivel oarlock into the central hole on the oar shaft. Screw the retaining nut onto the end of the bolt and position the oar into the oar holder.



OPERATING INSTRUCTION

Preparation before departure

Acquire necessary information and inform other passengers:

1. Get information on local laws, regulation and hazards related to water activities and boat operation.
2. Check weather forecast, local currents, tides and wind conditions.
3. Advise someone on land of the time you plan to be back.
4. Explain basic boat operation to all passengers.
5. Be sure that at least one of your passengers can operate the boat in case of emergency.
6. Learn how to determine the distance you can cover, and remember that bad weather conditional can alter this.

Check the working condition of the boat and equipments:

1. Check inflation pressure.
2. Check all safety valves.
3. Check the load is evenly distributed on deck of boat: front to back and side to side.
4. Take care for maximum motor power.

Check that required safety equipment is on board (Check the laws and regulations of the country or locality in which you're boating)

1. One personal flotation device (PFD) for each passenger.
2. The air pump, oars repair kit and tool kit.
3. The mandatory equipment.
4. The boat papers and your boating license (if applicable).
5. Lights are required if operating after dark.

Rules to observe during navigation

1. Be responsible and strictly follow the safety rules. Do not neglect the safety rules, this could hazard your life and lives of others.

2. Learn to keep control of your boat.
3. Respect local regulations and practices.
4. Navigate on „sheltered water“ only.
5. Remember weather conditions can rapidly deteriorate. Always be sure that you can reach a shelter rapidly.
6. Do not take alcohol or take drugs before or while operating your boat. All passengers should maintain sobriety in all voyage.
7. Keep fire away. Do not smoke on board.
8. Make sure your passengers remain sit. Only if the boat is at rest or at low speeds, passengers can sit on the tubes and grab the line around the boat. At planning speeds, in rough water or during sharp turns, all passengers should position themselves in seats or on the floor.
9. No bow riding. Bow riding is illegal in most areas and is extremely dangerous.
10. Be very careful when landen. Arms and legs can be hurt when hanging off the boat.
11. Always avoid areas where divers/swimmers are in the water. Keep a sharp lookout especially when operating near beaches and launch sites. The Alpha flag indicates proximity of divers. You **MUST** stay at a good distance (minimum 50 meters).

MAINTENANCE AND STORAGE

Depending on the parts usage, keep some spare available, all parts suggest must consult local agent for factory authorized parts when servicing system.

Clean your boat after a trip to prevent damage from sand, salt water or sun exposure.

Use a garden hose washing the boat and a sponge and mild soap can clean most dirt.

Make sure the boat is completely clean and dry before storing, otherwise the boat will be mouldy.

Do not use solvents to clean the boat, solvents may damage material or plastic components in system.

Store all boat accessories in a dry storage location with ventilation. Make sure that all parts are dry before storage.

You can store the boat inflated or deflated.

→ Choose a dry and cool place to store the boat.

→ Don't hang the boat up.

→ Don't place any heavy or sharp objects on it.

The boat is designed to be storable, seasonal boat. If you live in a temperate area in which the boat will not be in use all year-round, it is **STRONGLY RECOMMENDED** to deflate the boat and dry it thoroughly, and store it in a protected area for the off-season. This will help extend your boat and prevent a safety hazard from developing while the boat is not in use.

Warning:

Certain household cleaning solvents, chemicals and other liquids (such as battery acid, oil and gasoline) could damage the PVC fabric. In the event of spill or mishandling, you should check for leaks and inspect for structural integrity.

DISASSEMBLY

1. Remove all the accessories from the boat: fishing rod, oars.
2. Open all valves and deflate the boat completely.
3. Fold the boat (make sure that the boat is clean and dry. See the above Maintenance & Storage chapter).
4. Put boat and air pump, oars into carry bag for storage.

TROUBLE SHOOTING

When you find the boat appears a bit soft, it might not definitely be because of a leak. Firstly you can check if valve caps are loose. If all valves are in good condition, you can consider if it is caused by temperature variation: If the boat was inflated in the day at higher

temperature, say, 35 C (95 F), and air might cool down to 25 C (77 F) overnight, so that the pressure on the hull may lower down, and the boat will appear soft the next morning.

If valves and temperature variation are not the reasons, you need to start looking for a leak:

1. Position the leak area: You can check your boat from a few feet away or flip it over and closely check over the outside. Any large leaks should be clearly visible.
2. Pinpoint the location of the leak: spry mild soapy water over the suspicious areas. Any leak will produce bubbles.
3. Check valves system for leak.

REPAIRS

Little holes or puncture can be repaired with the repair kit come along with the boat.

1. Find the leak.
2. Thoroughly clean the area surrounding the leak to remove any dirt or grime.
3. Cut a piece of repair material in round shape, which should be larger than the damaged area.
4. Using a piece of the repair kit, trace outline of the patch lightly.
5. Apply adhesive to the underneath side of the patch and around the area to be repaired. Coat the affected are lightly but completely with glue.
6. Put the patch on the damaged area and press down firmly.
7. Allow 12 hours for repair to dry. After patch has dried, apply glue around the edges for a complete seal (dry 4 hours)

LIMITED WARRANTY

ATTENTION CUSTOMER - Please read this statement carefully and keep your original store receipt along with this warranty certificate at all times. Your receipt is required as proof of purchase and to verify the length of your product ownership.

We warrant all components contained in this product against defects in materials and workmanship under normal use and service, for a period of 720 days from the date of purchase for the original owner only. If any of the components have been consumer-replaced, damaged, or misused, the corresponding warranty on those components is invalidated. In this situation, you will be advised of the cost of replacement parts and processing instructions.

If a verifiable manufacturing defect is found during the relevant time period, we agree to repair or replace at its option any product under warranty provided proper proof of purchase is presented.

This limited warranty is not valid if the product is used for commercial purposes, or if the damage is caused by an accident, an act of God, consumer misuse, neglect or abuse, vandalism, improper use of chemicals, exposure to extreme weather conditions or negligence during product set up or disassembly.

We cannot be held responsible for the cost of installation, labor, or transportation expenses incurred due to the replacement of defective parts. This limited warranty, furthermore, does not cover any unauthorized alterations to the product.

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