

# **TAKACAT**

**NZ's Ultimate Inflatable Catamarans**

**(Since 2007)**

## **OWNERS MANUAL**

**LX Series**

**Models 260LX – 460LX**



# Introduction

Congratulations on the purchase of your new Takacat!

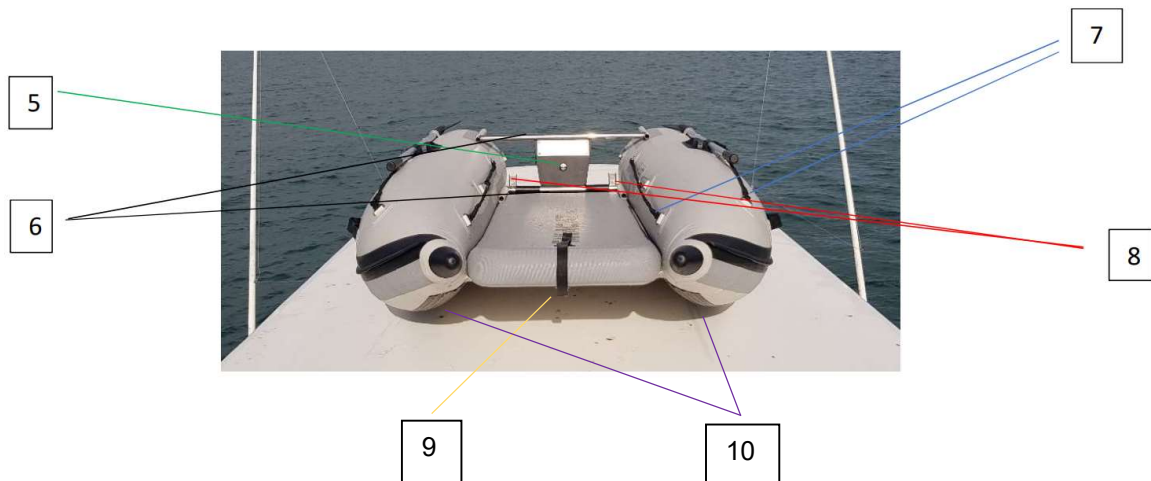
This information sheet is to assist with the assembly, operation and storage of your inflatable boat with safety and enjoyment in mind.

- International Standards ISO 4892-3:2006
- Built to International Standard ISO/6185
- CE tested to 2013/53/EU

## DIAGRAMS



1. Inflatable tubes
2. Air deck floor
3. Inflation valves
4. Oar rowlocks



5. Motor mount boards
6. Top & bottom stainless steel transom tubes
7. Internal & external safety lines
8. Quick release wheel fittings
9. Slot for air deck D ring / connect with webbing strap
10. Heavy duty under tube protection

## Parts & Accessories List

- 1 x Inflatable tubes & floor transom bars & mount boards
- 1 x inflatable seat
- 1 x Manual pump and gauge
- 1 x Repair kit (no glue)
- 2 x Oars x2
- 2 x carry bag (s)

## Safety Considerations

- Always wear an approved life jacket when operating this boat
- Never allow the boat to come into contact with sharp objects, corrosive or caustic chemicals or open flames
- Never operate this boat while under the influence of alcohol or drugs.
- Never operate this boat unless proficient in the safe operation of inflatable boats
- Never allow a minor to operate this boat

## Assembly Instructions:

1. Open the box and get out the boat hull tubes. Unfold and open out on a clean, flat surface.



2. Locate the inflator valve at the rear of the hulls and inflate to 3 psi with the included hand pump or optional electric pump. Don't forget to activate the check valve in the inflation valve by pressing down on the centre pin and turning it ¼ turn in either direction. If the check valve is popped up, it won't let any air escape.

NB: The pressures should be at the heat of the day so if the setting up on a cold morning either re check the pressure at the heat of the day or allow for some pressure/expansion by not inflating to the max pressure

NB: If you are finding the valve leaking a little air after pumping up, this is common as the boats are all handmade and the valves can loosen when deflated and packed for shipping. Just use the valve tool in the repair kit and tighten a ¼ turn and it should help tighten the valve.



3. From the rear – insert the lower transom bar into the lower set of tubes on the boat hulls. The stainless tab should be facing up when installed properly.

***(NB: The black flaps in the photos below are no longer on the boats as there has been a design change in 2021 – new photos will be coming soon)***

Note – Using a mixture of soap and water will make inserting the bar easier.



4. From the front, insert the upper transom bar into the upper set of tubes on the boat hulls. The stainless tab should be facing down when insert properly.  
Note – Using a mixture of soap and water will make inserting the bar easier.



5. Slot the smaller motor mount board inside the Tube Transom.

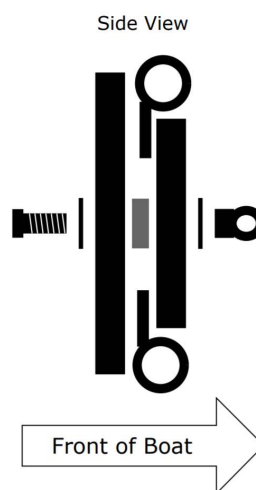


Creating a sandwich, assemble the rest of the transom. The bolt passes from the rear to the front with the rubber washer between the wooden motor mount boards.

Proper sandwich order below:

- a) Bolt
- b) SS Washer
- c) Back Board
- d) Rubber Washer
- e) Front Board
- f) SS Washer
- g) Hand Nut

Tighten firmly by hand, no tools required!

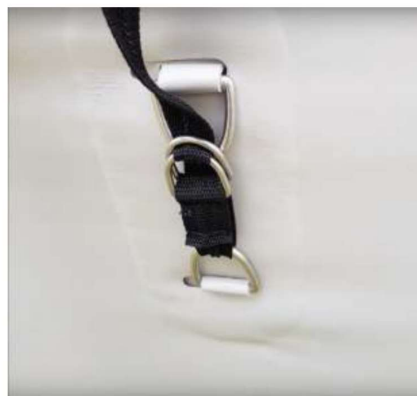
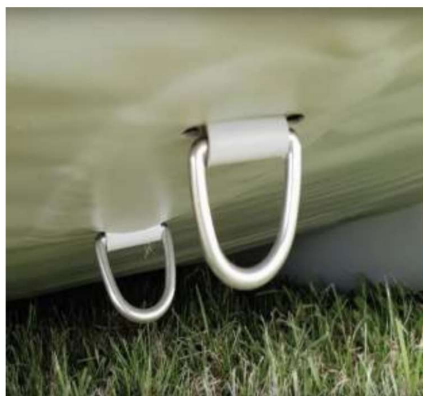


6. Unroll the inflatable floor and insert into its position. There is no need to get it perfectly under each hull tube, but the rear of the floor should be flush with the Lower Transom Bar.





7. Insert D-Rings on the bottom of the air deck floor, through the slots in the boat floor fabric layer. Lash the two D-Rings together with the included webbing strap.



8. Inflate the floor to 10 psi. NB: If it's a very hot day inflate to only 8psi to allow for some heat expansion.

When inflating the airdeck floor, be sure to pause and walk on the floor to push it into place. Don't forget to activate the check valve by pressing down on the centre pin and turning it ¼ turn in either direction. If it is popped up it won't let any air escape. When taking the pump out, do it quickly as you won't lose much air.

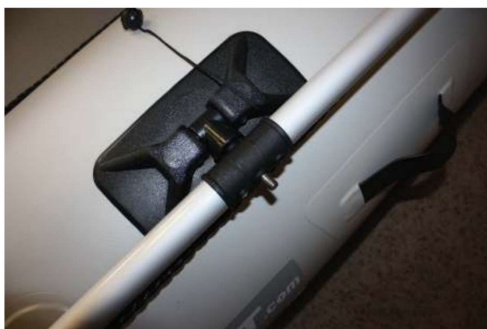
NB: If you are finding the valve leaking a little air after pumping up, this is common as the boats are handmade and the valves can loosen when packing for shipping. Just use the valve tool and tighten a ¼ turn and it should tighten the valve again.

**CAUTION:** Relieve the pressure in the floor when not in use. Direct Sunlight and High Temperature can cause air pressure expansion in your floor and cause a pressure failure of the seams. NB: Over pressurisation is not covered under warranty.



9. Inflate the Inflatable Seat. The seat can be inflated to a pressure that is most comfortable. The seat is designed for comfortable rowing and can also be used as a throwable flotation device if needed.

10. Assemble each oar and install. Be sure to attach the retaining nut to prevent losing oars when in use.



11. If you opted for the Quick Release Wheels, install them now in the down position. When in the down position, the wheels provide enough height to mount a 15" short shaft outboard in the upright position.

Note – Wheels are side specific so please make sure you mount them with the tyres facing inward when in the down position to prevent friction damage to the boat hulls

**Please note: that all Takacat models are designed to be use with a short shaft (15" shaft) outboard only.**



12. If you opted for the Quick Release Rod Holder, install them now into the Upper Transom Bar.





13. After launching your boat into the water, check the pressure in the hulls to verify you still have 3 psi hull air pressure. If the water is cooler than the air temperature, the air inside the hulls will condense causing a pressure drop. Use the manual pump to inflate back to 3 psi hull pressure if needed.

**NB: You should check the pressure in your floor and tubes daily to avoid over pressurisation!**

Well done – now you are set up with your new Takacat.

## Using the 12V Electric Pump

Please be aware that once it hits 1 psi it will switch over to compressor mode. The pump will begin to make a louder noise (it's not broken), but it is still working and will continue until the correct psi has been reached. Please do not switch it off at this point.

## Stitching

Pulled stitching on the inside of the tubes is simply a production technique required to get the best connection into a tight corner while using contact adhesive. One side is glued and connected to the tubes prior to the other side being glued and then stitching cut to make the connection to the floor. It's not possible to make such a connection any other way and the threads etc. don't affect the strength or life span etc. of the inflatable.

## **Glue / Repairs (NB: the patch kit does not come with glue)**

If you get a pin hole leak a very quick and effective way to fix it is a simple drop or two of common Super Glue / Elephant Glue over the hole when the floor is deflated (no patch required). This is a very fine glue and will seep into the hole. It then dries in roughly 60 seconds and you will be good to inflate and go again 10 minutes later. A glue called Aquaseal available from most dive shops can also be used just with a slower drying time (2hrs or so). If you have a larger cut then this is where a patch is required and the best contact adhesive glue is called Bostic 999.

## **Towing/Anchoring/Mooring**

Takacat Inflatable must be empty when it is towed by another boat. The towing line should be rigged to a bridle between the two bow D-Rings and the two D-Rings under the floor. The inflatable must be under constant supervision when it is being towed. Anchoring and mooring line should be secured to the same bridle.

## **Rowing**

Takacat inflatable catamarans are supplied with 2 oars and oar locks. Please make sure the seat is properly inflated and installed prior to use.

Install the oars in oar lock pins, attach oar lock pin cap screws prior to use.

NOTE: Do not use oars as leavers as they will break.

## **Motoring**

**WARNING: DO NOT OVERPOWER AND EXCEED THE MAXIMUM WEIGHT OF THE MOTOR**

Overpowering can result in severe handling and/or stability problems with serious consequences.

When the boat is being powered, passengers should hold onto the lifeline in order to avoid falling overboard. When operating the motor-powered boat, sit on one of the hulls.

Rapid acceleration should be avoided to prevent falling overboard backwards.

Regular check should be made on the motor attachment screws. Loose screws will cause erratic boat operation and possible the loss of your outboard motor!

Onboard, check that the loads are not chafing or puncturing the boat skin.

# Beaching

Remember to lift the motor shaft when coming into the beach otherwise you can cause significant damage to your motor.

Do not drag the Takacat inflatable boat across rocks, sand, gravel or on pavement as damage may occur to the boat skin.

If the boat is temporarily left on a beach part of the boat should be left in the water so that the internal heat caused by exposure to sunlight can escape and so that air pressure in the tubes can decrease.

Cover the boat with a UV Protective Boat Cover to block direct exposure to sunlight if the boat is to be stored in direct sunlight for an extended period of time. Covers can be purchased from your local supplier or via [www.takacatasia.com](http://www.takacatasia.com) or [www.takacat.com.au](http://www.takacat.com.au).

## Latest Video Links

Please use the following link for:

<https://www.takacatasia.com/user-guides>

- Set Up
- Pack Down
- Repairs

FAQ's and tips & support can be found here:

<https://www.takacatasia.com/faqs>

# Specifications

Please do not exceed the following limits:

## **T260LX**

Length/Width: 2.60 x 1.56m  
Draft: 0.15m  
Tube Diameter: 0.48m  
Max. Tube Pressure: 250mbar / 3psi  
Max. Floor Pressure: 0.6.8bar / 10psi  
Max. Person: 3  
Max. Loading: 360kg (including engine)  
Max. Engine Power: 8HP  
Max. Engine Mass: 30kg  
Length of Shaft: S (15")

## **T300LX**

Length/Width: 3.00 x 1.56m  
Draft: 0.15m  
Tube Diameter: 0.48m  
Max. Tube Pressure: 0.2bar / 3psi  
Max. Floor Pressure: 0.7bar / 10psi  
Max. Person: 4  
Max. Loading: 367kg (including engine)  
Max. Engine Power: 10HP  
Max. Engine Mass: 40kg  
Length of Shaft: (15")

## **T340LX**

Length/Width: 3.40 x 1.66m  
Draft: 0.15m  
Tube Diameter: 0.48m  
Max. Tube Pressure: 0.2bar / 3psi  
Max. Floor Pressure: 0.7bar / 10psi  
Max. Person: 5  
Max. Loading: 515kg (including engine)  
Max. Engine Power: 15HP  
Max. Engine Mass: 50kg  
Length of Shaft: S (15")

### **T380LX**

Length/Width: 3.40 x 1.66m  
Draft: 0.15m  
Tube Diameter: 0.48m  
Max. Tube Pressure: 0.2bar / 3psi  
Max. Floor Pressure: 0.7bar / 10psi  
Max. Person: 6  
Max. Loading: 640kg (including engine)  
Max. Engine Power: 20HP  
Max. Engine Mass: 50kg  
Length of Shaft: S (15")

### **T420LX**

Length/Width: 4.20 x 1.80m  
Draft: 0.15m  
Tube Diameter: 0.55m  
Max. Tube Pressure: 0.2bar / 3psi  
Max. Floor Pressure: 0.7bar / 10psi  
Max. Person: 7  
Max. Loading: 730kg (including engine)  
Max. Engine Power: 20HP  
Max. Engine Mass: 50kg  
Length of Shaft: S (15")

### **T460LX**

Length/Width: 4.60 x 1.85m  
Draft: 0.15m  
Tube Diameter: 0.55m  
Max. Tube Pressure: 0.2bar / 3psi  
Max. Floor Pressure: 0.7bar / 10psi  
Max. Person: 8  
Max. Loading: 815kg (including engine)  
Max. Engine Power: 20HP  
Max. Engine Mass: 50kg  
Length of Shaft: S (15")

Please note – Takacat (Ocean Portables NZ Ltd) does not take responsibility for any misuse of this inflatable catamaran. Please always remember others around you and those onboard and be a responsible skipper.

For any warranty issues, please see

ASIA: [www.takacatasia.com](http://www.takacatasia.com) AUSTRALIA: [www.takacat.com.au](http://www.takacat.com.au)



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