

TAKACAT

Assembly Instructions for LX Series Inflatable Boats

Models T260LX – T460LX



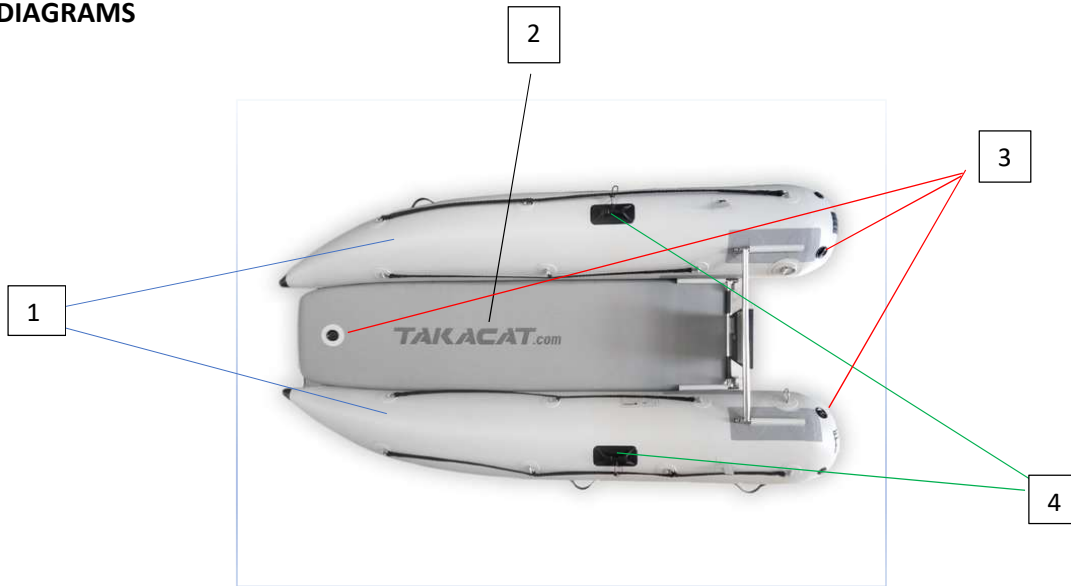
INTRODUCTION

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

- Inflatable tubes
- Inflatable Floor
- Transom bars
- Transom Boards & Eye Bolt, Rubber Washer
- Inflatable seat
- Manual pump and gauge
- 2 x Repair patches
- Valve Spanner
- Oars x2
- Carry bag (2)

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

LATEST VIDEO LINKS

Please use the following link for:

<https://www.takacat.co.nz/user-guides-takacat-inflatable-boat>

- **Set Up**
- **Pack Down**
- **Repairs**

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

<https://www.takacat.co.nz/inflatable-boat-faqs/>

Assembly Instructions:

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



2. T260LX / T300LX / T340LX / T340S

Locate the inflator valve at the rear of the hull tubes and inflate to 3 psi with the included hand pump or optional electric E-Pump.

T380LX / T420LX / T460 LX and Sport (s) Models

Locate the inflator valve at the front of the hull tubes and inflate to 1psi, then inflate the rear chambers to 3psi, then go back to the front and finish inflating the front tubes to 3psi with the included hand pump or optional electric E-Pump. Please follow this procedure to ensure the chambers are balanced and to protect the internal baffle.



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. The black flaps should wrap over the lower bar and velcro back onto itself.
NOTE: All LX Models from 2020 onwards do not have the Velcro Flaps!
Note – Using a mixture of soap and water will make inserting and removing the bars 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 and removing the bar easier.



5. Slot the smaller transom board inside the Tube Transom.



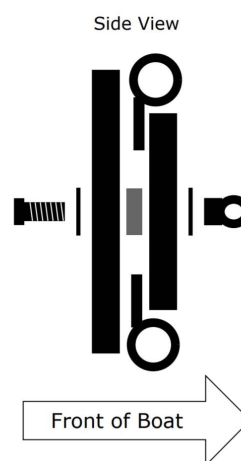
6. Creating a sandwich, assemble the rest of the transom. The bolt passes from the rear to the front with the **rubber washer between** the wooden motor mount boards. Its important to fit the rubber washer between the two boards.

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!

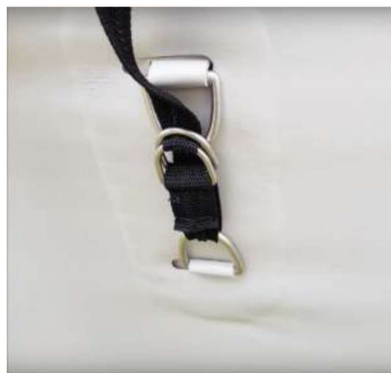
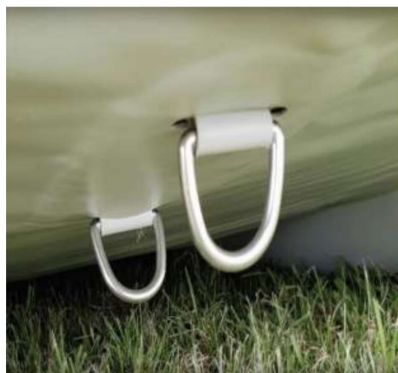
TIP: When packing down assemble the boards together with the eye bolt and washer to ensure you don't loose any components.



7. 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.



8. 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.



9. Inflate the floor to 8 psi. While inflating the air deck 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.

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. Over pressurisation is not covered under warranty.



10. 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. It can be tied into place or fitted with a couple of D-Shackles.
11. Assemble each oar and install use a little Vaseline or Marine Grease on the thread for easy removal and to ensure they don't seize. Be sure to attach retaining nut to prevent losing oars when in use.



12. 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 used with a Short Shaft (15" shaft) outboard only.



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



14. 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. You should check the pressure in your floor and tubes daily!

Well Done – now you are set up with your new Takacat!

USING THE 12v E-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.

Cleaning Instructions

Rinse your boat with clean fresh water whenever possible after each use.

At the end of each season it is recommended you clean it with Takacat Boat Cleaner which has a UV Protectant formulated into it. Periodic washing can be completed with Takacat Boat Wash or soapy water and fully rinse after. We recommend a non-caustic dish soap. Let it fully dry before rolling the boat up and putting it back in its storage bag.

Store your boat inside the storage bags provided and in a dry place.

Important – DO NOT use a vinyl preserving agent on fabric surfaces. Chemicals in such agents will dry out the fabric and this will void any warranty.

Repair Instructions

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 (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**. Order the Patch Repair kit from Takacat which has this glue and the activator:

Repair Kit: <https://www.takacat.co.nz/product-page/repair-kit>

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 rowlocks. 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 LIMITATIONS 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 unlight 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.takacat.co.nz.

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: 3psi

Max. Floor Pressure: 8-10psi

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: 3psi

Max. Floor Pressure: 8-10psi

Max. Person: 4

Max. Loading: 367kg (including engine)

Max. Engine Power: 10HP

Max. Engine Mass: 30kg

Length of Shaft: (15")

T340LX

Length/Width: 3.40 x 1.66m

Draft: 0.15m

Tube Diameter: 0.48m

Max. Tube Pressure: 3psi

Max. Floor Pressure: 8-10psi

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: 3psi
Max. Floor Pressure: 8-10psi
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: 3psi
Max. Floor Pressure: 8-10psi
Max. Person: 7
Max. Loading: 730kg (including engine)
Max. Engine Power: 30HP
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: 3psi
Max. Floor Pressure: 8-10psi
Max. Person: 8
Max. Loading: 815kg (including engine)
Max. Engine Power: 30HP
Max. Engine Mass: 50kg
Length of Shaft: S (15")

Please note – Takacat 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 or technical issues, please see www.takacat.co.nz