

COASTAL

Owner's Manual



Please read carefully before
assembling your boat

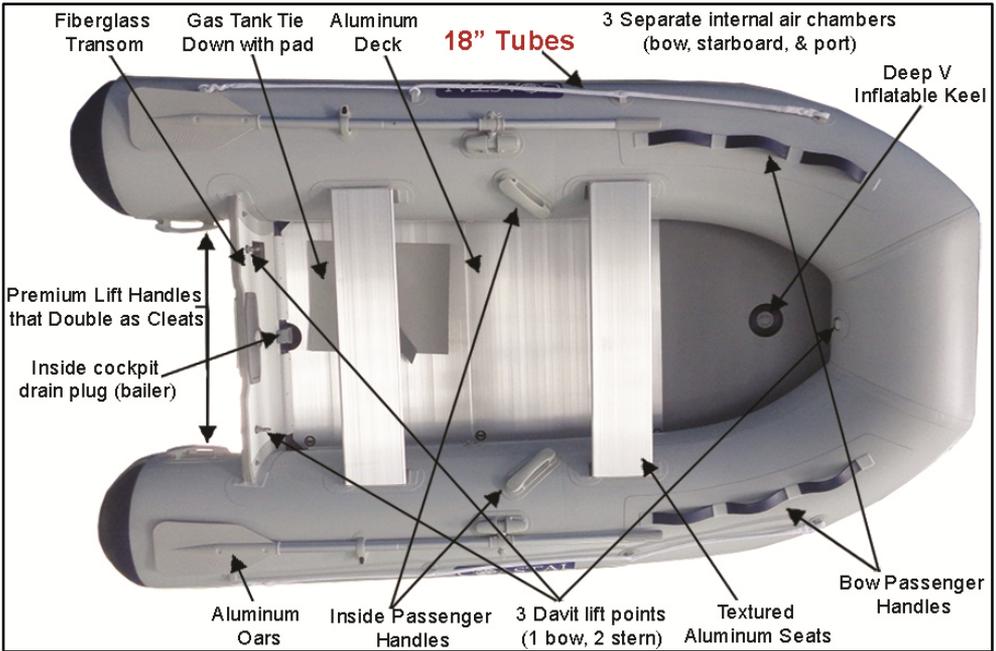
Model year 2016 & later

MODEL: _____ **HIN#:** _____

TABLES OF CONTENTS

General Information:	
a. CE certification	Page 3
b. Manufactures Identification Code (MIC)	Page 3
Valve Operation	Page 4
Inflation of Boat	Page 4
Assembly of Boat with Air Deck	Page 5
Assembly of Boat with RIB (Rigid Inflatable Boat)	Page 6
Assembly of Boat with Aluminum Deck	Page 6
Disassemble and Deflate boat	Page 9
Cleaning/Maintenance/Storage	Page 9
Repair Procedures	Page 10
Operation Information	
a. Outboard Motor	Page 11
b. Operator's Responsibility	Page 11
c. Operating in Shallow Area	Page 11
d. Beaching	Page 11
e. Towing the boat	Page 12
f. Air Chamber Failure	Page 13
Boat Safety	Page 13
Boat Warranty	Page 14
Release / Indemnification	Page 16
Outboard Motor Warranty Information	Page 16
Accessories Warranty Information	Page 16

EXAMPLE PICTURE: MODEL M-CBX9.6



All Coastal Inflatable Boats carry the highly recognized CE certification issued by Lloyds of London. CE Certification ensures that products are of the highest quality and reinforces our guarantee of quality and integrity, giving you peace of mind in terms of safety, durability, build-quality and insurability.

Manufactures Identification Code (MIC)

Coastal Inflatable Boats confirm with the Federal requirement that every boat must have its own unique Hull Identification Number (HIN) which the first 3 characters must contain the company's Manufactures Identification Code (MIC). Coastal Inflatables, LLC is registered with the Coast Guard and our MIC is CIB. The HIN is a Federal requirement. The Coast Guard maintains a searchable database of MICs. You can search the database to check any inflatable boat/importer to insure they are registered with the USSG. Check our MIC (CIB) at:

<http://www.uscgboating.org/recalls/mic1.aspx?company=coastal&sort=mic>

HOW TO PROPERLY OPERATE AIR VALVE

ATTENTION: Do not use a compressed air source (i.e. automotive tire air compressor) to inflate boat. Over inflation through the use of compressed air may result in ruptured seams and will void the warranty.



TO INFLATE:
Make sure the pushpin is
in upper position
TO DEFLATE:
Press pushpin down & turn
to lock into position

The valve has a special pushpin inside. Do not use any type of tool to adjust the position. Use your fingers! This pushpin has two positions, up and down. When it is pressed in the down position, air will escape. If you turn the pushpin in any direction it will pop up. This will lock air inside and prevent it from escaping through the valve. Before inserting the air pump tube into the valve, please make sure that the pushpin is in the upper, popped up position. Once the pin is in the "popped up" position, insert the air pump adapter into the valve and inflate.

Once you remove the air pump, pressure will seal the valve and air will not escape. If you would like to deflate the boat, press down on the pushpin and turn it in any direction until it stays in the pressed down position. Air will immediately escape from the tubes thru the valve.

INFLATION

Inflate the boat with the pump supplied. **NOTE:** When using a hand pump, the boat cannot be over-inflated. If using an electric inflator inflate the boat to about 80% and then finish the inflation procedure with the pump supplied. When inflating the boat with the hand pump, **it is normal for the hand pump to leak some air where the adapter connects to the valve.** Continue to pump until the tubes become hard. **Never drag boat on pavement or concrete!**

- Depending on climate and operating conditions, the pressure may require monitoring during boat use to maintain a correct inflation level. What is 100% full & don't have a gauge? *Inflate the tubes & floor until the hand pump becomes somewhat difficult to push down.*
- Due to the boat having a safe valve to prevent over-pressure installed, a boat inflated for 4 to 5 days may lose pressure and require re-inflation to correct operating pressure, this is normal. It doesn't mean that your boat has a leak; it means the safety over-pressure valve is protecting your boat!
- **WARNING: DO NOT** using a compressed air source (i.e. compressor) to inflate the boat. Over-inflation with a compressor may result in ruptured seams and/or bulkheads.
- When inflating, maintain a balance of air between air chambers to prevent damage to air chamber bulkheads.

ASSEMBLY FOR BOATS WITH INFLATABLE DECK

- Find flat surface where boat will be assembled.
- Remove any sharp objects from the area where boat will be assembled and inflated.
- Unfold and spread boat out flat. ***Never drag boat on pavement or concrete!***
- Connect the pump to the valve by inserting the adapter attached to the pump hose into the valve, turning it until it tightens. Do not force it; simply turn it until it locks into place. When inflating the boat with the hand pump, it is normal for the hand pump to leak some air where the adapter connects to the valve. Continue to pump until the tubes become hard.
- Inflate the three tubes (Bow, Starboard & Port) to about 50%. If the air rushes out when you detach the adapter from the valve, you need to turn the pushpin in the center of the valve (see above).
- Unfold and stretch out the inflatable deck, edging it under the half-inflated tubes and against the transom making sure the deck is under the tubes as well as the boards attached to the bottom of the transom.
- If the keel valve does not line up with the opening located near the bow, remove the floor, and inflate the keel to get any folds that may have formed during shipping. Deflate the keel; it should regain its proper shape. Re-inflate the three tubes to about 50% making sure the keel valve now aligns with open in the deck.
- Inflate the air deck to about 70%
- Install the aluminum seats into the seat straps.
- Inflate the three tubes to 100%.
- Inflate the air deck to 100%.
- Inflate the keel to 100%.
- Install the oars.
- **GO BOATING!!!**

What is 100% full? Inflate the tubes & floor until the hand pump becomes somewhat difficult to push down.

ASSEMBLY FOR RIGID INFLATABLE BOATS (RIB)

- Find flat surface where boat will be assembled.
- ***Never drag boat on pavement or concrete!***
- Remove any sharp objects from the area where boat will be assembled and inflated.
- Connect the pump to the valve by inserting the adapter attached to the pump hose into the valve, turning it until it tightens. Do not force it; simply turn it until it locks into place.
- Inflate the three tubes (Bow, Starboard & Port) to about 50%. If the air rushes out when you detach the adapter from the valve, you need to turn the pushpin in the center of the valve (see above).
- Install the aluminum seats into the seat straps.
- Inflate the three tubes to 100%. It is normal to hear escaping from the valve adapter when filling the boat. Continue to pump air into the tubes until the tubes are hard.
- Install the oars.
- Install the plug.
- **GO BOATING!!!**

What is 100% full & don't have a gauge? Inflate the tubes & floor until the hand pump becomes somewhat difficult to push down.

ASSEMBLY FOR BOATS WITH ALUMINUM DECK

- Assemble the deck floor outside the boat first to get the concept of how the floor is assembled. Different size boats will have a different number of aluminum panels. The #1 panel is made of wood, the other panels are aluminum. ***Never drag boat on pavement or concrete!***



- Check the inflatable Keel. If it looks out of shape or won't lie straight, it is because it has been pressed under the weight from being in the box during shipping. Inflate the keel. It will regain its shape when inflated. Then deflate it and it should look straight and should line up with the floor much better!
- Inflate the boat to about 50% or until it is extremely "baggy" and only barely has its shape.
- It **WILL** help if you put something under the transom to lift the rear of the boat off the ground by a few inches. The idea is to get the floor off the hard surface the boat is on in order to give the bottom of the boat some "give" which will help to snap the stringers in place. You can use the oars as shown in the photo. Anything will work in order to get the bottom of the boat off the hard floor.



Install wood piece number "1" into the nose of the boat first (numbers up on all sections).



Install rear aluminum panel, make sure it fits under the height board located on the transom



You also need to make sure the edges of the aluminum panels are all lined up. This is necessary to make the installation of the stringers much easier.

Install the stringers onto each side of the floor. Each side should have a long stringer (unless you are assembling a larger boat). They need to be installed so that they overlap the joints of the aluminum floor pieces. The only purpose of the stringers is to cover the joints of the aluminum panels. This is what will provide stability of the floor. This is tricky because it is a tight fit. It may help to have another person pulling up on the tubes using the straps that hold the seat.



- Install the aluminum seats into the seat straps.
- Inflate the three tubes to 100%. It is normal to hear escaping from the valve adapter when filling the boat. Continue to pump air into the tubes until the tubes are hard.
- Inflate the keel to 100%
- Install the oars.
- **GO BOATING!!!**

What is 100% full & don't have a gauge? Inflate the tubes until the hand pump becomes somewhat difficult to push down.

DISASSEMBLE AND DEFLATE BOAT

1. Remove the oars from both sides of the boat.
2. Deflate tubes about 50%.
3. Remove aluminum or air deck, reverse of install process. Deflate Keel.
4. Re-inflate tubes to 100% for cleaning. Clean inside and out.
5. Deflate bow tube first. The valves should be in their "open" position for disassembly. They are open when they are in the down position. As the bow tube is deflating, pull up on the bow ropes. This will make it easier to fold later.
6. Deflate the main tubes. As they are deflating pull up on the side ropes so that the boat will fold in properly
7. Fold both end tubes over transom. You want the tubes to fold in so the entire package is not wider than the transom
8. Begin rolling up the boat from the transom.
9. Lay folded inflatable onto the storage bag and tighten the straps around the boat being careful to make sure the storage bag covers the entire boat.

CLEANING/MAINTENANCE/STORAGE

Proper care and maintenance greatly extends the life of your valuable boat.

During the season: Check the bottom regularly to make sure there is no excessive build up of marine life. The surface of the boat should be cleaned with a solution of mild soap and fresh water after each use when possible. To avoid abrasion and wear, be sure that all the sand, small rocks, oil and dirt have been flushed away from the boat surfaces, particularly the inside deck next to the tubes.

UV Radiation: The Number One Enemy of PVC Inflatable Boats. With this in mind, we recommend that you cover your boat when it will not be in use for extended periods of time. While we realize that it is not practical to cover your boat every time you get out of it, if the boat is not going to be used for several days it is advisable to cover it. Aurora Poly Guard, a UV Protectant should also be used to help protect your boat from the sun. It helps to keep the boat looking like new.

Apply Poly Guard every 4 weeks to extend the life of your boat. **Fuel Spills and Engine Exhaust** will damage the fabric of your Inflatable Boat.

IMPORTANT: Products never to use for cleaning your inflatable are: solvents, MEK, toluene, acetone, bleach, ammonia, highly alkaline cleaners (anything with a pH greater than 11.5), abrasive scrub pads, steel wool. They will weaken and damage the fabric and attack the adhesives. ***Never use "Armor All®" on your boat!***

End of Season: It pays to remove dirt and other environmental contaminants before storing it. Allow your boat to dry thoroughly in the shade before storing it.

Store in a dry place. ***Use care when storing as some rodents love to burrow into a stored inflatable.*** Store your craft rodent-safe. It is not necessary to store the boat deflated. If space is not an issue it is perfectly fine to leave your boat inflated during off season. Your boat should be clean and dry. It is not necessary to store your boat in a heated area. Make sure that your boat is not stored "wet", especially if it will be subjected to freezing conditions during storage. Freezing and thawing water can damage the seams of the boat.

REPAIR PROCEDURES

If you are losing air pressure check the boat over for air leaks. There will be normal air loss due to either the safe valve installed on the boat or due to change in the temperature. The best way to find air leaks is dish detergent mixed with water in a spray bottle. Start by checking the valves first. Spray around the valve on a suspected air chamber. If you see bubbles forming, check your valve fitting and base and be sure the valve insert is screwed on tight and pushpin is in correct position. If the leak is not in the valve, then spray the rest of the boat to find the leak. Spray the boat in small areas at a time until the entire boat is covered. Once the leak is found, cut out a patch large enough to overlap the damaged area by 1/2 inch on all sides. Center the patch over the damaged area, and with a pencil trace the outline of the patch. Apply masking tape around the perimeter of the outlined patch area to ensure a tight and clean glue line. Clean the patch area on the boat as well as the backside of the patch.

- Apply three thin layers of adhesive with a short bristle brush, in a circular pattern on the patch area on the boat. Allow each layer to dry for 5 minutes before applying the next layer.
- After applying the third layer on the boat, apply a layer of adhesive to the patch and then put the patch to the prepared area and press down firmly. Using a smooth object (a back of a tablespoon works well), working from the center of the patch to the outside, force out any air bubbles that may have been trapped under the patch.
- After the patching is complete remove the masking tape and allow 24 hours drying time before pressurizing the repaired air chamber.

Important: *It is recommended to do repairs in dry weather. Humidity will decrease glue bond. Do not glue in cold temperatures.*

OPERATION INFORMATION

OUTBOARD MOTOR

Choose an outboard for the boat that is in accordance with the horsepower range and limit. Refer to the Coastal's manufacturer plate on the boat transom for the maximum outboard capacity. Overpowering can result in difficult handling and/or stability problems with serious consequences. Install the outboard along the centerline of the boat transom. Fasten the outboard to the transom. Check outboard for tightness on transom before each use. When you install an outboard motor, make sure you place it on the motor pad on the transom and tighten the butterfly bolts to the transom. Check after 15 minutes of boating to ensure the butterfly bolts are still tight to the transom.

OPERATOR'S RESPONSIBILITIES

The operator (driver) is responsible for the correct and safe operation of the boat and safety of its occupants and general public. It is strongly recommended that each operator (driver) read and understand this entire manual before operating the boat. Be sure at least one additional person on board is instructed in the basics of starting and operating the outboard and boat handling in case the driver is unable to operate the boat. Be familiar and obey all local applicable rules and regulations.

OPERATING IN SHALLOW AREAS

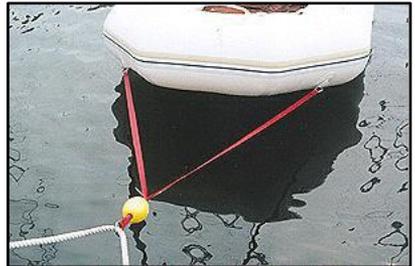
Reduce speed and proceed with caution whenever you drive a boat in shallow water areas, or in areas where you suspect underwater obstacles may exist. These obstacles could be struck by the bottom leg of the outboard or the boat bottom and cause severe damage to the boat and or motor. Travel these areas with extreme caution, to reduce injury or impact damage from striking a floating or submerged object reduce your boat speed.

BEACHING

It is recommended not to use an engine when beaching. Do not drag the boat across rocks, sand, gravel or on a pavement as damage to the boat skin may result. If the boat is to be 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 to block direct exposure to sunlight if the boat is to be removed from the water for an extended period of time.

TOWING THE BOAT

- If the inflatable boat is to be towed by another boat, the inflatable boat must be empty. Remove outboard, fuel tank, and equipment.
- A towing bridle is necessary in order to properly tow your boat...
- **Never tow the inflatable boat by connecting rope to the central lifting handle. Use only the towing D-rings on both sides of the dinghy bow.**
- Following the instructions on the towing bridle.
- A Towing Line must be rigged to run from the port stern cleat, through the Towing Ring on the Towing Bridle, and back to the starboard stern cleat.
- At Towing Ring on the Bridle, secure the line with a knot --- the run each end of the towing line to the aft corner cleats as described above. This will prevent the dinghy from continual sliding on the ring while under tow.
- After affixing the Towing Line to the two stern cleats, you will form an 'X-shaped' bridle of this Towing Bridle and your towing line. By towing in this fashion, the Inflatable will tack straighter and safer than with a single towing line led to a single towing ring on the bow.
- Tow the boat at slow speed.
- The inflatable must be under constant supervision when it is being towed.



CAUTION: Never tow the dinghy with the outboard or gas tank aboard. This added weight adds stress to the towing rings and increases drag. Make sure there is no water in the boat. Excess water in the boat can quickly lead to failure of the towing rings, especially when the load is not being equalized. Even just six inches of water in an inflatable can weigh hundreds of pounds to the boat.

AIR CHAMBER FAILURE

If one of the air chambers should accidentally deflate while you are operating the boat, shift the weight to the opposite side of the deflated chamber and slowly head for shore.

BOATING SAFETY

In order to safely enjoy the waterways, familiarize yourself with local and other governmental boating regulations and restrictions, and consider the following suggestions.

- Have an approved personal flotation device of suitable size for each person aboard the vessel (it is the law) and have it readily accessible.
- Do not overload your boat. Coastal boats are rated and certified for maximum load (weight) capacities (refer to your boat capacity plate located on the transom).
- Perform safety checks and required maintenance.
- Follow a regular schedule and ensure that all repairs are properly made.
- Know and obey all nautical rules and laws of the waterways.
- Boat operators should complete a boating safety course.
- Prepare other boat operators. Instruct at least one other person on board in the basics of starting and operating the outboard, and boat handling, in case the driver becomes disabled or falls overboard.
- Stop the engine whenever passengers are boarding, unloading, or are near the back (stern) of the boat. Just shifting the outboard into neutral is not sufficient.
- The operator must have an unobstructed view particularly to the front.
- Never operate your boat directly behind a water skier in case the skier loses control and hits the water.
- Use extreme caution around any swimmer, diver or persons in the water.
- Check the pressure and the condition of the boat before you start sailing
- Pay close attention to the weather conditions for your safety.
- Make sure you take repair kits, first aid kit and a pump with you.
- Make sure you do not exceed the maximum recommended number of persons on the capacity plate
- Do not exceed the recommended maximum horsepower rating.

IMPORTANT NOTE:

Use of alcohol or drugs is prohibited while operating a water craft. Alcohol or drug use impairs your judgment and greatly reduces your ability to react quickly. This carries the same penalty as driving a car if convicted.

BOAT WARRANTY INFORMATION

We warranty each new Coastal Inflatable Boat and accessories attached, thereto (hereafter referred to as "Product"), to be free from defects in material and workmanship.

This warranty shall become *effective on the purchase date of the boat*. Transfer of warranties is not authorized without prior approval from Coastal Inflatables, LLC. This is strictly enforced.

This warranty is as follows: All warranty claims for Valmex PVC boats are covered 100% during the first 2 years of the warranty period then pro-rated for the remaining 3 years. All warranty claims for ORCA CSM boats are covered 100% during the first 3 years of the warranty period then pro-rated for the remaining 2 years. The percentage covered during the pro-rated period is calculated by dividing the number of months remaining in the warranty period by the total number of the months of the warranty (60). Warranty is on the seams & base fabric against cracking, porosity and rot and that the fabric of which the Product is manufactured will maintain its original purpose under normal conditions during such period. There is a two (2) year limited warranty on the transom: The transom is warranted against delamination, cracking and hull separation. This warranty shall be ineffective if the boat has been operated with an outboard motor which exceeds the maximum horsepower rating listed on the serial plate attached to the transom.

The air deck, aluminum floorboards, oars, handles, seats, seat straps, rub rail, D rings and other factory installed accessories (anything glued to the tubes) are warranted for one (1) year against defects in material and workmanship. This warranty does not include any painted or finished surfaces, normal wear and tear, improper lifting or towing techniques, other abuse or negligence. Wear parts including but not limited to rubbing strake, keel guard, ropes are not covered by the warranty. **TOW RINGS** are not covered by the warranty.

If any Product is purchased or used for rental or other commercial purposes, or for/by a corporation, partnership, company, organization or association including without limitation camps, clubs, resorts, schools, or the like, then the term of this Limited Warranty is limited to a period of one (1) year after the date of original retail purchase.

Since this warranty applies to defects in material and workmanship, it does not apply to normal worn fabric or to damage caused by:

- Neglect, lack of maintenance, accident, abnormal operation, racing competition, or commercial use.
- Use of an accessory or part not manufactured or sold by Coastal Inflatables LLC.

This warranty will not apply to: Haul-out, launching, storage charge, telephone or rental charges of any type, inconvenience, shipping, or loss of time and income.

This warranty also does NOT cover:

- Normal discoloration or dulling of the fabric;
- Abrasions, tears, or punctures;
- Normal color fading and spots on the fabric which do not affect the integrity of the fabric;
- Damage or deterioration of the fabric due to exposure to fuel, harsh solvents, or other chemicals

This warranty does NOT cover product that: Has not been assembled, used, and maintained as stated in owner's manual accompanying the Product; Damage caused by an accident; Has been abused, misused or improperly operated; Has been repaired, modified or tampered with by someone other than Coastal Inflatables LLC or their designated representative; ***Do not to attempt to repair the boat yourself as it will void your warranty.*** Coastal Boats sole exclusive obligation under this warranty is limited to, at our option, repairing a defective part, replacing such part or refunding the purchase price of the Coastal Boats product. The repair, replacement of the boat, replacement of any parts, or the performance of service under this warranty does not extend the life of this warranty beyond **its original expiration date.**

Damages as a result of shipping must be processed through the shipping company (UPS or Fed EX). Insurance is required when shipping the boats;

Claims shall be made under this warranty by ***delivering*** the Product for inspection to Coastal Inflatables, LLC, Hampton, NH, who will then either do the repairs or arrange for the inspection and repair, provided such service is covered under this warranty. Purchaser shall pay for all related transportation charges. All shipping expenses related to a warranty claim are the Purchaser's responsibility. If the service is not covered by this warranty, purchaser shall pay for all related labor and material and any other expenses associated with that service. Any Product or parts shipped by purchaser for inspection or repair must be shipped with transportation charges prepaid. Coastal Inflatables LLC obligation under this warranty shall be limited to repairing a defective part or at our option replacing such part or parts as shall be necessary to remedy the malfunction resulting from defects in material or workmanship as covered by this warranty. We reserve the

right to improve or change the design or any Product without assuming any obligation to modify any Product previously manufactured.

RELEASE: Recognizing that boating poses a potential hazard to others. The buyer freely and willingly waives all claims to injury to himself or damage to purchased boat arising out of the improper use. Further, in consideration of the permission of use granted, buyer hereby release Coastal Inflatable LLC, its directors, officers, representatives, agents, and employees from any and all liability for injury of any kind to buyer or to boat or other property buyer may have, incurred by reason of any act or failure to act, on buyer part, or Coastal Inflatables, LLC, its directors, officers, representatives, agents, and employees, arising because of the use of above mentioned inflatable boat.

INDEMNIFICATION: Buyer further agree to indemnify and hold harmless Coastal Inflatable LLC,, its directors, officers, representatives, agents, and employees from all costs, suits, judgments, damages, or expenses, direct or indirect, for injury to other persons and/or their property, including, but not limited to, loss of use incurred by reason of act or failure to act on buyer part or by reason of any act, including negligence, of Coastal Inflatables, LLC, directors, officers, representatives, agents, and employees, arising because of use inflatable boat. Buyer recognize that these provisions will cause buyer to be personally liable for his/her act or failure to act during use of the inflatable boat purchased

OUTBOARD MOTOR WARRANTY INFORMATION

All warranties for Tohatsu Outboards will be guaranteed & processed through Tohatsu Outboards. For details on the Tohatsu outboard warranty please visit the Tohatsu Outboards website: <http://www.tohatsu.com/outboards/index.html>

ACCESSORIES WARRANTY INFORMATION

All warranties for accessories will be guaranteed and processed through the manufacturer of purchased accessories. Please visit the manufacturer's website for more information.

***Coastal Inflatable Boats, 17 High St., Hampton, NH 03842
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