

SEVYLOR

INSTRUCTION MANUAL FOR SEVYLOR HI-PERFORMANCE KAYAKS

SVX100DS - SVX200DS - SVX500DS

**INTRODUCTION**

Now that you are a proud owner of a Sevylor SVXDS River Kayak, there are a few things you should know about your responsibility, the safe use, storage, and maintenance of your craft. This will help you to properly enjoy your kayak for many years to come.

Read this manual carefully, and familiarize yourself with the craft before using it. Serious personal injury or death can occur in and around kayaks.



**WARNING**



To prevent tragic accidents, read, understand and strictly follow all safety rules and obey all Coast Guard, State and Local regulations. Always wear a Coast Guard approved Personal Flotation Device.

**SVX100DS or 1 Person Hi-Performance Kayak: Specifications**

Maximum Capacity: 1 Person

LOA: 10' 4" ft. / 3.15 m

Beam: 3' 2" / 0.95 m

Weight: 22 lbs. / 12 kgs.

Maximum Payload Capacity, Ratings:

ISO Capacity Rating: 130 kgs

US Capacity Rating (NIMMA): 400 lbs. / 181 kgs.

Components, Standard Equipment:

- Hi-Tech Drop Stitch Floor
- Carry Bag
- Cargo D-Rings
- Directional Strake
- Thigh Strap D-Rings
- Adjustable Seat with Fanny Pack
- Self Bailing System with Plugs
- Pressure Gauge Mano-4280A
- High Pressure River Pump
- Adjustable Foot Rest System
- Lifting Handles

## SVX200DS or 2 Person Hi-Performance Kayak: Specifications

- Maximum Capacity:** 2 Person  
**Beam:** 3' 2" / 0.95 m  
**LOA:** 13' 8" ft. / 4.15 m  
**Weight:** 34 lbs. / 17.5 kgs.  
**ISO Capacity Rating:** 250 kgs
- Maximum Payload Capacity, Ratings:**  
**US Capacity Rating (NNMA):** 650 lbs. / 294 kgs.  
**Components, Standard Equipment:**
- Hi-Tech Drop Stitch Floor
  - Carry Bag
  - Pressure Gauge Mano-4280A
  - High Pressure River Pump
  - Adjustable Foot Rest System
  - Lifting Handles
  - Self Bailing System with Plugs
- 2 Adjustable Seats with Fanny Pack.

## SVX500DS or 2-3 Person Hi-Performance Ocean Kayak: Specifications

- Maximum Capacity:** 3 Person  
**Beam:** 3' 2" / 0.95 m  
**LOA:** 16' 7" ft. / 5.05 m  
**Weight:** 45 lbs. / 25 kgs.  
**ISO Capacity Rating:** 270 kgs
- Maximum Payload Capacity:**  
**US Capacity Rating (NNMA):** 800 lbs. / 362 kgs.  
**Components, Standard Equipment:**
- Hi-Tech Drop Stitch Floor
  - Carry Bag
  - Cargo D-Rings
  - Directional Strakes2
  - Thigh Strap D-Rings
  - 2 Adjustable Seats with Fanny Pack (1 optional).
  - Self Bailing System with Plugs
  - Pressure Gauge Mano-4280A
  - High Pressure River Pump
  - Adjustable Foot Rest System
  - Lifting Handles

### THE RESPONSIBILITY OF THE OWNER

1. Carefully read this manual giving special attention to those items marked "Caution" and "Warning"
2. Follow all assembly, inflation and care instructions herein.
3. Inform yourself about local regulations and dangers related to Kayaking and or other water activities.
4. Operate your Kayak in a safe and sober fashion, taking all reasonable precautions.
5. DO NOT operate your Kayak while intoxicated.

### WARRANTY REGISTRATION

Please fill out and mail the warranty registration card found on the back page of this owner's manual. Mail it to the appropriate Sevylor office listed on the cover of this manual, limited warranty is valid only if the registration card is completed within (10) days from the day of purchase. You will void any warranty by not filing the registration card with Sevylor. The warranty registration card requires the Kayak's model and the H.I.N. number (hull identification number). The "Boat Model" refers to the name of the boat (SVX100DS or SVX200DS, etc.) The "H.I.N." is the 14 (Fourteen) - character identification number found on the right hand (starboard) side of the boat. This number begins with the letters "CN-SEV", followed by five numbers, one letter, and then three more numbers. Example: SEV 12345 A001. The entire number must be entered on the warranty registration card at the end of this manual. The first two digits "CN" apply to the Country Code as assigned to the country of origin.



**CAUTION**



Make safety a high priority in the use of your Kayak. Always wear an approved personal flotation device. Wear it for safety. In most areas there are local laws and regulations regarding the use and equipment of small boats.

A phone call to the local authorities or even the Department of Motor Vehicles will give you the necessary information. Learn about your Kayaking area. Ask locals about tides and currents. Be careful that you do not over estimate your strength, your endurance or your skill. Be careful never to under estimate the forces of nature.

### REGISTRATION NUMBERS

Many localities require that you register your Kayak and display a registration number on the front of the Kayak. Once you have been issued a number, it is best to affix it to the boat by printing it on the material by the use of an indelible (permanent) ink marker. Or you may want to stop by your local inflatable boat dealer for an after sales market accessory that they may offer for this purpose.

A small square registration sticker may also be issued. If so, this may be affixed to your Kayak by placing the sticker on a small board and securing the Kayak. Do not use self-adhesive letters and numbers to try to adhere the registration number or sticker directly to the Kayak. Since the material expands and contracts and the self-adhesive letters do not, they will eventually fall off and get lost.

### Foot Rest System:

Before you begin inflation, you need to install the footrest support system to the floor of the kayak, slide the black PVC pipe through the openings on the footrest straps on the floor of the kayak and at the same time through the 2 soft EVA pads, which should be positioned between the footrest straps.

### Self Bailing System

Your kayak has been designed with a Self Bailing System. The Drain Ports feature Drain Plugs for those of you who would like to use the kayak in calm waters and do not wish to get their bottoms wet. To close the drain ports with the provided plugs, it may take a certain amount of force and effort to insert (force) the plugs into the holes, this tight fit will assure that the plugs will stay in place until you remove them before a thrilling white water adventure or if you decide to do some kayak surfing.

The self bailing system offers a tremendous advantage especially in white water, the self bailing system is designed to drain the water quickly from the kayak. A self bailing system improves the performance and adds safety when running white water, a kayak full of water is heavy and difficult to maneuver.

### Self Bailing System, Important Note:

Before you begin inflation, you may want to either plug the drain ports for a dryer ride or leave them open to benefit of the self bailing feature. The drain ports are more accessible with the boat deflated.

### Unfold your new Kayak in an area that is free of sharp objects and debris.

#### INFLATION

For the first inflation and in order to get acquainted with your new Kayak, inflate indoors at room temperature where the material will be soft and assembly process made easier. Inflate your Kayak with the High Pressure river boat type inflator provided with your kayak. The inflator features a hose and adapters to fit the valves on your kayak; it will inflate your kayak up to the recommended working pressure.

Familiarize yourself with the valves on your kayak. The Kayak features two types of valves:

#### Boston Valves

The side air chambers are equipped with Boston screw in type valves which consists of two parts: the valve insert (center portion) and the square cap. To inflate, insert the valve (center section with longer threads) into the valves base on the boat; to deflate remove the valve insert (center section). The square cap with rubber gasket makes the valve airtight once it is screwed back on to the valve insert.

#### High Pressure Recessed Valve

The High-Tech Drop Stitch Floor features a high pressure, spring loaded recess valve. This valve allows for the floor to be inflated at a high pressure. To inflate, open the cap by turning it counter clockwise. Check and make sure the spring loaded pin is not depressed and locked in the open position. To verify that the valve is not open, push the pin down and turn it clock wise. If the pin stays down, you have now opened that valve.

To close it, turn the pin counter clockwise so it springs back up. Now the valve is closed and it should remain closed for the inflation process. (Note, the air pressure of the pump will open the valve as the air is flowing in).

To attach the pump hose to the high pressure recess valve, use the appropriate nozzles and fittings which are supplied with the double action high pressure river boat pump. Push the fitting into the valve and turn clock wise to lock it. Inflate floor to the specified working pressure of 7 psi. / 480 mbar.

Disconnect the hose from the valve and close the valve with the cap. Please note: The valve won't be airtight until the valve is closed with the valve cap.

Deflation - To deflate, open the valve cap and depress the pin and turn it clock wise to lock it in the open position (the pin should stay down).

Please observe the specified working pressure printed next to each valve!

**NOTE: Do not use any high-pressure air compressor, CO2, or tire inflator, you will damage your kayak.**

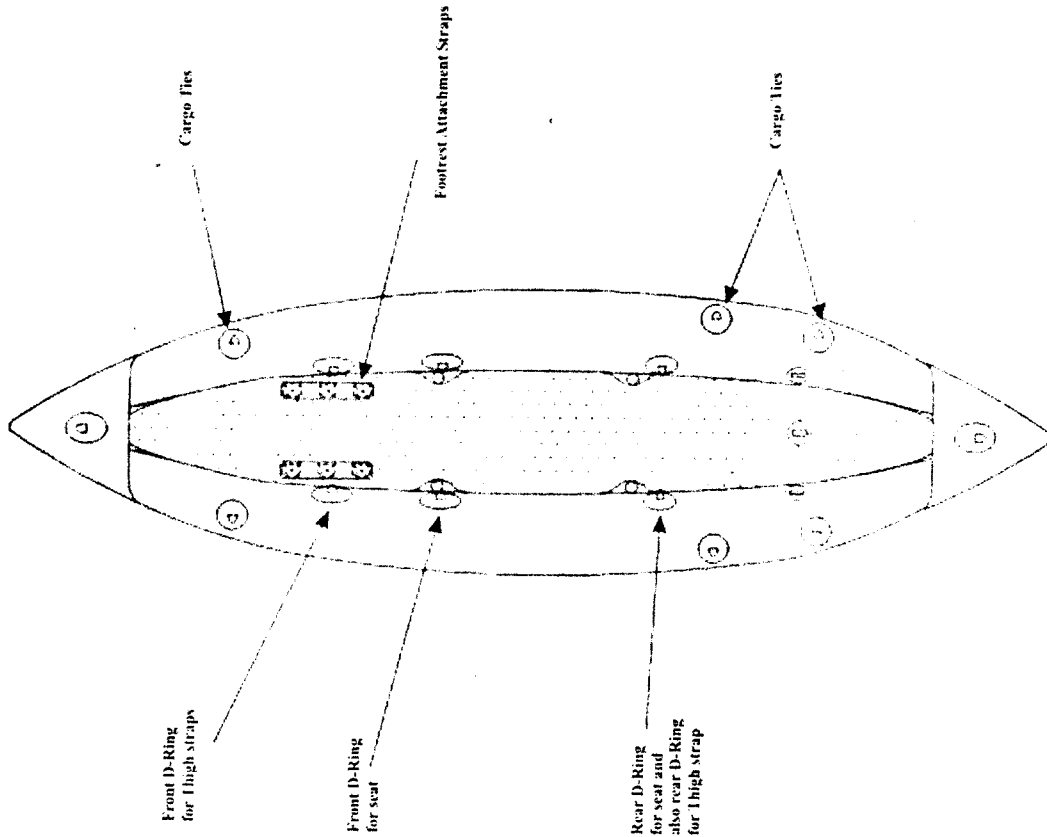
1. Inflate the side chambers first. Inflate both side chambers evenly. The recommended working pressure for the side chambers is 3 psi. / 200 mbar.
2. Inflate the high pressure floor next. The recommended working pressure for the floor is 7 psi. / 480 mbar.

#### Installing the Seats

Install the seat (two seats for the two people) to your Kayak by using the D Rings on the side air chamber and the carbine brass hooks at the end of the straps. Pull the straps as necessary to adjust the seat to your comfort. (Attach the seat (s) as shown on the pictures below).

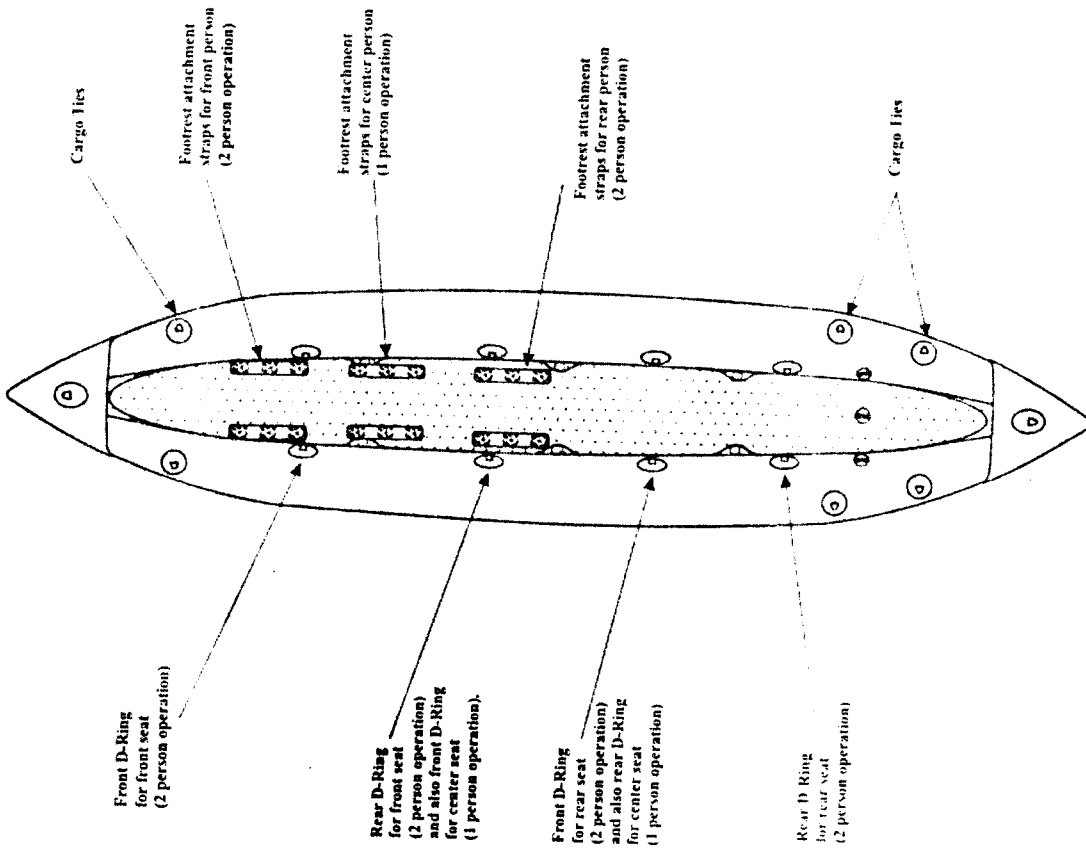
Diagram for seat(s) installation.

FRONT



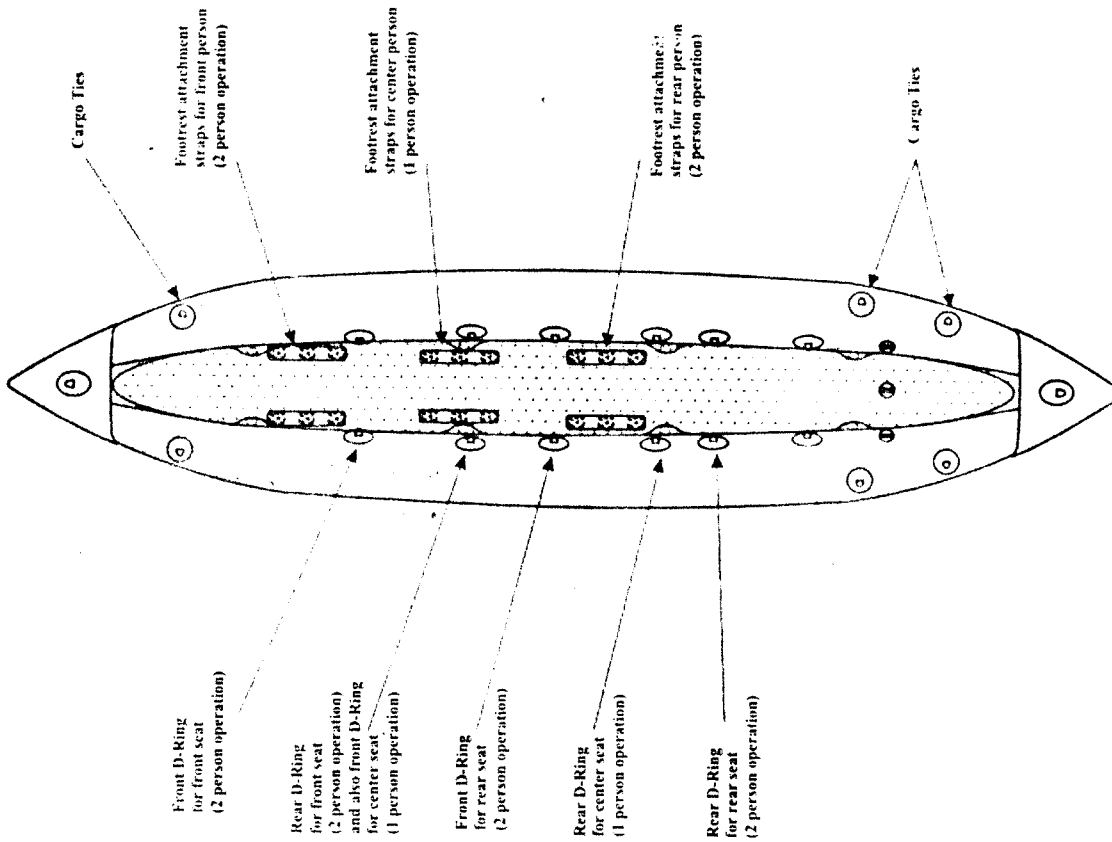
Model SVX100DS

FRONT



Model SVX200DS

FRONT



Model SVX500DS

### Special Hints

White Water running is very exciting and exhilarating, but it involves a certain risk, physical ability and danger in terms of wear and tear on the equipment and to the paddlers. Even the most experienced river runner can make a mistake and damage the kayak or themselves. No kayak or paddler can resist the strength of the water.

Only the proper handling of your kayak, your alertness, and your physical skills will make the difference. Never go white watering alone. Always form a team of two or more boats, wear a helmet designed for white water running, know your river and pull to the shore, get out and scout each set of rapids before running them.

### Paddles

Sevylor recommends a double-bladed paddle, single bladed paddles are inadequate for the SVX kayaks because you need to stroke on both sides of the kayak, double bladed paddles offer maximum efficiency. You can choose between two types of paddles: Feathered and Non-Feathered, some breakdown paddles offer both options. Feathered Paddles, the blades are set at right angles from each other. Non-Feather paddles, the blades are parallel. When using a feathered paddle, you must rotate the blades so that when one blade is moving through the water, the other blade shows just its edge to the wind, this will decrease the wind resistance.

It is better to start with a Non-Feathered paddle and then switch to a feathered paddle as you proficiency increases. If you are purchasing a one piece, non-collapsible feathered paddle, you must know that they come for left and right handed kayakers.

Sevylor recommends the following optional equipment:

#### No. 64 Kayak Paddle

85" total length, 7%", blade. A Two piece aluminum Shaft, ABS blades, Cold Water Grip.

#### No. 84 Canoe Paddle

Aluminum Shaft with T-Grip, ABS blade and cold water grip.

#### No. 640 White Water Kayak Paddle

88½" total length, 7 ½ blade. A 3 section Aluminum Shaft, High Impact Blades that will fit into the kayak's carrying bag.

#### No. 840 Canoe Paddle

Aluminum Shaft, T-Grip, high impact blades.

#### No. 240 Anodized Aluminum Kayak Paddle

90½" / 230 cm. 2 section paddle, lightweight, multiple feather settings, spoon-shaped fiberglass charged nylon blades, anodized aluminum shaft, cold weather grip with blade indicator, 2 drip rings.

#### No. 2400 Ergal Aluminum Kayak Paddle

96" / 240 cm. 2 section paddle, lightweight, infinite feather settings, spoon-shaped fiberglass charged nylon special Ergal aluminum shaft w/holographic wrap, cold weather grip with blade indicator, 2 drip rings.

#### No. 340 Lightweight Composite Kayak Paddle

90½" / 230 cm. 2 section paddle, multiple feather settings, spoon-shaped fiberglass charged nylon blades, fiberglass shaft, stronger and lighter than aluminum, cold weather grip with blade indicator, 2 drip rings, weighs only 900 grams.

P12 12V Inflator / Deflator, works off a cigarette lighter receptacle, features universal valve fittings. 0.55 psi.

The P12 is recommended for the initial inflation, however you'll need to top it off with the high pressure inflator.

#### P110 110V Inflator / Deflator, Standard 110V AC, universal valve fittings. 0.50 psi.

The MP-110 is recommended for the initial inflation, however you'll need to top it off with the high pressure inflator.

### International Scale of Whitewater Difficulty – Classifications

Rivers and individual rapids are rated according to their degree of difficulty, the International Scale of Whitewater Difficulty is the most common rating system, it uses a scale of Class I through Class VI, Class I being the easiest and Class VI being the Virtually un-runnable. Ratings are subjective and fluctuate considerably depending on the season, water level and whether there are drought or flood conditions, class ratings are as follows:

**Class I:** Easy, small waves, clear passages, obstacles are easy to spot in advance and to avoid.

**Class II:** Novice, rapids of moderate difficulty, passages are mostly clear, some maneuvering required.

**Class III:** Intermediate, numerous waves, high and irregular, the current may either stop or move upstream, opposite the main current, this effect is called an "eddy". Rapids with clear passages, and the possibilities of narrow spots, requiring expertise in maneuvering. Scouting is necessary.

**Class IV:** Advanced, long rapids, waves are powerful and irregular, passages are difficult to scout, powerful and precise maneuvering required. Scouting mandatory first time, risk of overturning, long swim for paddlers, For very skilled paddlers.

**Class V:** Expert, extremely difficult, long runs with very violent rapids following each other almost without interruption, riverbed extremely obstructed, big drops, violent current. Scouting mandatory but often difficult. Risk of kayak damage and serious injury to paddlers. For experts with excellent equipment.

**Class VI:** Extreme, extraordinary difficult, nearly impossible and very dangerous. For experts only.

### Maintenance and Storage

Clean and check the Kayak as well as all the accessories after each use, rinse the Kayak thoroughly making sure to remove any residues of salt if use in salt water. Use a mild soapy solution. Do Not use detergents or any type of silicone-based products. Make sure the Kayak is completely dry before put in it away. When storing your Kayak, keep it in a clean and dry place that is not affected from major variations in temperature and other damaging factors, you may store the Kayak, deflated and rolled up in its bag or assembled and lightly inflated.

### Repairs

Assess the damaged or the area to be repaired, clean the damaged area and the patching material with a grease remover of the alcohol type, please note that in order for the repair to be successful, the humidity level should be less than 60%, temperature between 65° F / 77° F or 18° C / 25° C. Avoid carrying out repairs in the rain or in direct sunlight. Check that the tube is fully deflated and lies flat. Draw the shape of the patch exactly where it will be applied, cut a round patch at least 2" / 5 cm larger than the cut/damaged area, clean the damaged area and the corresponding side of the patch.

Apply 3 thin layers of glue on both the patch and the damaged area, allow for it to dry for 5 minutes between layers until the glue feels tacky. When the third layer of glue is dry, apply the patch without pressing and adjust the positioning if required, press the air bubbles which may have formed under the patch by smoothing the patch with a round object such as a spoon, do this procedure by starting in the center of the patch towards the outside, clean the excess glue with a solvent.

**⚠ WARNING ⚠**

- Perform all of your repairs in a well ventilated area.
- Avoid inhaling glue vapors or swallowing.
- Avoid contact with the skin or the eyes.
- Keep all repair materials (glue, solvents, etc.) away from children's reach.

**WARRANTY AND GENERAL CONDITIONS**

**⚠ IMPORTANT ⚠**

Your Kayak has been delivered with warranty information and a warranty card. You must complete the warranty card in order to validate your warranty.

**Please refer to the conditions in the Limited Warranty supplied with the Kayak**

The main limitations to the application of this warranty are the following points.

- The Kayak must NOT be modified and/or fitted with any accessories allowable by the manufacturer (Sevylor, Inc.)
- The Kayak may NOT be used outside its normal recommended activity.
- The maintenance and storage recommendations must NOT be neglected.
- This warranty does NOT cover parts and accessories not supplied or recommended by the manufacturer or defects resulting from the installation of such equipment on this product.

**⚠ WARNING ⚠**

Your Kayak is designed in accordance with the standards for a specific use. Any modifications, transformations other than the allowed by the manufacturer could result in serious risk of injury and will void the warranty.

**LIMITED WARRANTY**

Sevylor, Inc. warrants, to the original purchaser only, when any product is used for normal recreational purposes that all boats are free from defects in material and workmanship for a period of nine (9) months from date of purchase. All toys, floats, mattresses, tubes, towables and other inflatable or accessories are free from defects in material and workmanship for a period of ninety (90) days from date of purchase. All outdoor furniture is also free from defects in material and workmanship for a period of twelve (12) months from date of purchase.

If any product is found to be defective, the owner may return it to the store it was purchased from or contact Sevylor by phone or in writing to obtain a return authorization number. If the product is being returned to Sevylor, it must be shipped PREPAID as instructed with a copy of the original sales receipt. Sevylor will not be held responsible for any lost or improperly shipped items if a return authorization number is not obtained in advance.

After inspection of any product found defective, Sevylor shall either repair or replace the defective part or item as deemed necessary by Sevylor. Sevylor shall perform its responsibilities to repair or replace said item within thirty (30) days of receipt of any authorized return.

The warranty does NOT cover any product used for rental, for hire or in professionally guided tours and other uses not considered for normal recreational purposes. It also does not cover any punctures, cuts or abrasions sustained in normal use or damage from unreasonable uses or improper storage.

**THERE ARE NO WARRANTIES, WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF. SEVYLOR, INC. SHALL NOT BE HELD LIABLE FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES.**

**THIS WARRANTY IS INCLUSIVE IN LIEU OF ALL OTHER WARRANTIES.**

This warranty gives you specific legal rights and you may also have other rights, which may vary, from state to state.

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FROM:

PLACE  
STAMP  
HERE

TO:

SEVYLOR, INC.  
4398 Corporate Center Drive  
Los Alamitos, Ca. 90720