SEA EAGLE.com®

PaddleSki

395PS & 435PS

Instruction & Owner's Manual

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Introduction

Introduced in 2001, the PaddleSki Series has been a huge hit. These boats inflate in minutes and get you to hidden spots that other kayaks just can't reach. The unique catamaran/kayak design allows you to skim above the water at high speed on two catamaran tubes.

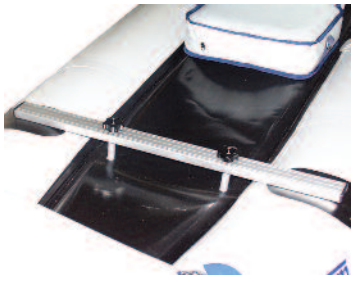
Paddleski 395ps

The 395ps fits two adults comfortably, but is tight and compact. It can be rowed, fished, sailed, motored or paddled - All the versatility you can want in a boat.

Paddleski 435ps

This larger model is 14' long and features 14" diameter tubes. It is capable of carrying two heavy adults and gear for extended camping trips. The 435ps can be sailed with two adults comfortably with the optional Sail Rig, and can accommodate two Rowing Frames.

Yokes



The PaddleSki features three aluminum yokes to support the floor. These come preassembled from the factory, and there is normally no need to disassemble them in normal use.

The yokes are bolted from below and fastened with a knurled nut as shown above. They need not be extremely tight, but should not be allowed to loosen over time.

Valves

Recessed One-Way Valves on Main Chambers
The valve cap unscrews to reveal the valve stem.

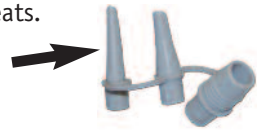
When this stem is in the up position as shown, the valve retains air. The valve should be in this position while inflating the boat. To deflate, press the stem down and turn it clockwise. To put in the up, airtight position, press it down and turn counter clockwise.

Use the recessed valve adapter included with your boat ***(located in the orange repair kit canister)*** to inflate this valve. The adapter fits into the hose of the foot pump.

Push the adapter into the valve and turn to the clockwise to lock it in position.

To deflate the air chamber, you don't need a pump. Simply push the valve stem in with your thumb and turn to the right to secure it in the down position. This will let the air out and instantly deflate your boat.

Pipe Valve: For <u>old</u> Deluxe Kayak Seats and Deluxe Fly Fishing Seats
Sea Eagle pipe valves are simple, reliable and compact. Insert the large cone-shaped nozzle included with your foot pump to inflate these seats.



To close, tightly pinch the pipe section of the valve with your forefinger and thumb while you remove the pump nozzle from the valve. Squeeze tightly, and hold the valve at the very bottom so little air seeps out while you plug the valve.

Once the valve is plugged in, it can be pushed down into the base and out of the way. Getting this right might take a few attempts, but it becomes second nature quickly.

To deflate, simply pull out the plug and air will rush out.

Deluxe One-Way Valves: For <u>New</u> Deluxe Kayak Seats and Deluxe Fly Fishing Seats. This is a 3 piece screw type valve comprising of valve seat, the middle section for inflating, and the outer valve cap.

Insert the largest nozzle included with your foot pump into the middle section of the valve to inflate these seats. Make sure that the middle section of the valve is tightly screwed on to the valve seat before you start inflating the seats. Put the outer cap on after you finish inflation. To deflate, unscrew the middle section of the valve and the air will rush out. You do not need a pump for deflation.

Pumps

A41 Foot Pump: This pump is used for all our products and is one of the best on the market today. We firmly recommend you always carry your A-41 on board for safety.

Attach the hose to the valve on the right side of the A41 foot pump as shown in the pictures to inflate. Use the One Way Valve adapter included with your transom boat to inflate this valve. Insert the valve adapter into the hose of the Foot Pump. Push the adapter into the valve and turn clockwise to lock it in position. With the foot pump, inflate each chamber till you cannot pump any more air into it.

At this stage the foot pump will become extremely hard and you will not be able to press it any further. That means the chamber has reached its optimum pressure. Withdraw the adapter from the valve and close the valve cap.

Electric Pumps

MB-100 Electric Pump
Designed specifically for our higher pressure Sea Eagles. Comes complete with 12V DC power supply, hose and a various attachments.

Included with the MB-100 are a cluster of seven adapters. The only adapter you will need for this boat is adapter number 1.

Also included is the same triple nozzle adapter as your A-41 foot pump. Using the large rounded nozzle take the ribbed end and insert into the hose of the MB-100.

Remove adapter number 1 and push firmly into the large rounded nozzle. To ensure that the adapter is on as tight as possible, push it against a hard surface like a floor or table once it is connected to the nozzle.

Locate the red joint piece and attach the ribbed end into the other end of the hose.

Once the joint is attached to the hose you can then hook it up to the inflation port on the MB-100. The inflation port can be identified as the port that the printed arrows are pointing to and is located directly above the pressure dial. The port on the opposite end can be used for deflation, although this is not necessary for use on our boats.

Adjust the pressure dial to read 3.2 PSI which is the operating pressure for your Sea Eagle.

Adjust the pressure dial to read 3.2 PSI which is the operating pressure for your Sea Eagle. **NOTE: When the device is under pressure, never turn the dial on the manometer anti-clockwise as this would immediately cause the instrument to break.**

Connect the power supply to a 12V battery (car or marine battery) using the alligator clips at the end of the extension cord. Connect the red to the positive pole and the black to the negative pole.

Connect the cord at the end of the power supply into the end of the cord attached to the BTP12.

When you are ready to inflate switch the pump on with the ON-OFF switch. The MB-100 will automatically stop once the set pressure is reached. You will still need to switch the pump off when you are finished.

Connect the power supply to a 12V battery (car or marine battery) using the alligator clips at the end of the extension cord. Connect the red to the positive pole and the black to the negative pole.

BTP12 Mano Electric Pump
The BTP12 comes complete with a nylon shoulder carry bag, 12V DC power supply, hose and various attachments.

If you ordered the BTP12 Kit then you have the option of connecting the BTP12 to a portable battery. Connect the cord at the end of the portable battery into the end of the cord attached to the BTP12.

Included with the BTP12 are a cluster of seven adapters. The only adapter you will need for this boat is adapter number 1.

To charge the battery plug it into the battery charger and then plug the charger into a household electrical outlet. The light on the battery charger will blink red until it is fully charged. When it is fully charged the light will be a solid green.

Remove adapter number 1 and push firmly into the joint that is already connected to the end of the hose. To ensure that the adapter is on as tight as possible, push it against a hard surface like a floor or table once it is connected to the joint.

There is a small opening inside of the carry bag so that you can carry the battery in one compartment and the BTP12 in another. This makes the pump easy to transport and protects the pump from sand which could get jam it.

Screw in the other end of the hose into the red inflation port which is located directly underneath the ON and OFF buttons.

Press the ON button to begin inflation. The BTP12 operates in two stages which can be identified by the noise of the turbine at the beginning followed by the piston. The BTP12 will automatically stop once the set pressure is reached. You will still need to switch the pump off when you are finished.

Seats

Deluxe Kayak Seat (DKS) and Deluxe Fly Fishing Seat (DFS)

Inflate the Deluxe One-way Valves of the DKS using the foot pump and the large pump nozzle. (See Valves for details) The DKS should not be inflated as hard as the hull of your Paddleski. You should be able to push your finger about 3/4" into a well inflated DKS, which will make it firm enough for good back support. An overinflated DKS will bulge out in the center of both pillows and will not be comfortable to sit on.

The Deluxe Fly Fishing Seat is similar to the DKS but has two seat cushions for greater height.

The DKS and DFS seat attach to D-Rings on the hull of the boat. There are three sets of D-rings meant for use with the DKS. For single person use, attach the DKS to the middle of these two sets.

Tall Back Seats (TBS)

Tall Back Seats for kayaks provide maximum back support. The sides of the seat seat wrap around the paddler giving a secure enclosed feeling. The built in large rear zipper pack holds drinks and other goodies.

The Tall Back Seat has four straps to secure it to the pontoons of PaddleSkis. Secure the 2 front straps to the Drings on the either side of the seat as towards the front of the seat as shown.

And then secure the rear set of straps to the D-rings on either side towards the rear of the seat as shown below. Adjust 4 the straps so that the seat is upright for maximum back support. Make sure all the straps are tight.

Inflation

Hull material and working pressure: The deluxe kayaks seats are designed to have a moderate working pressure of approximately .75 psi. The PaddleSki 395ps and 435ps are made from our reinforced 1000 denier hull material, which inflates to 3.2 PSI.

Using an air compressor designed for tires at 50 PSI can harm a boat designed to work at a far lower working pressure, so we recommend only using Sea Eagle pumps.

Before starting, locate a relatively flat, clean space to unpack your boat. Unroll the kayak so it is laid out flat, and locate your pump.

Paddles

Our **AB-30** 8' Double End Asymmetric Paddles feature anodized aluminum shaft with Fibrylon blades. It has a 65 degree feather capability. It is lightweight and durable.

AB40 8' Cannon Pro Paddles are designed for high performance paddling. The AB-40s feature a spoon blade design to slice through the water with minimum resistance.

At the beginning and end of a typical paddling stroke, only the bottom portion of the blade is under water. This means that more thrust comes from the portion of the blade below the shaft than the upper portion. This is why the AB-40 design has an asymmetrical spoon shaped blade.

The paddle should be positioned with the inward curved side on the bottom as shown at left. This will give a smooth, even paddling stroke.

The blades of all our paddles can be either parallel or feathered, in which case one blade is positioned 90 degrees to the other. This can be a big help when paddling into a stiff breeze because the blade not in the water will slice through the wind with little resistance.

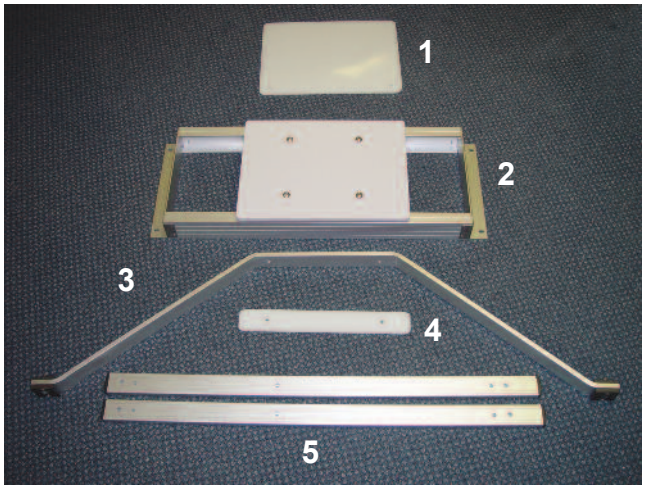
Feathering the blades complicates the motion of the stroke, so it's not recommended for new kayakers right away.

Rowing Frame

Installation of Rowing Frame & Sliding Seat for PaddleSki

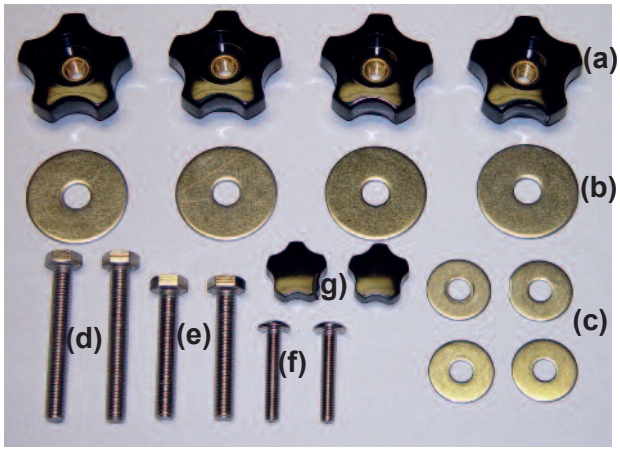
Parts:

(1) Predrilled Plastic board for Rowing Frame
(2) Sliding Seat with cushion (not shown)
(3) Rowing Arm
(4) Pre-drilled Plastic Strip
(5) 2 Predrilled Aluminum bars



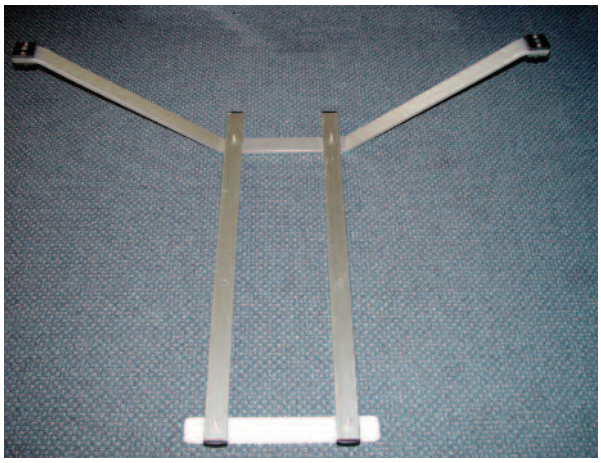
Hardware:

(a) 4 large knurled nuts
(b) 4 large washers
(c) 4 small washers
(d) 2 hex head bolts 2-1/2"
(e) 2 hex head bolts 2"
(f) 2 Phillips head bolts 1-1/2"
(g) 2 small knurled nuts



Pre-Assembly:

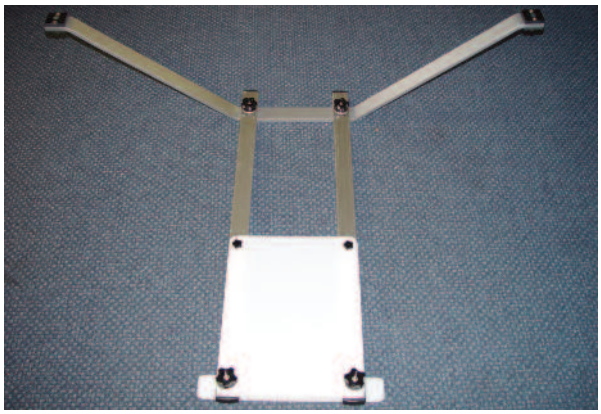
Lay the two aluminum bars parallel to each other. Place the rowing arm and the plastic strip under the parallel aluminum bars and insert the hex head bolts (d) & (e) as shown. Shorter 1-1/2" bolts are used for the rowing arm. Use 2 small washers (c) for inserting the large hex head bolts through the plastic strip.



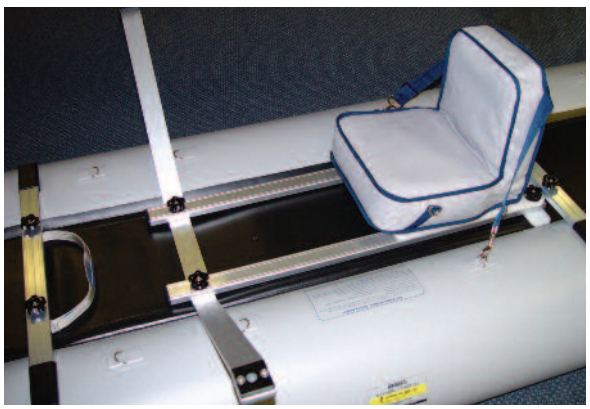
The above pre-assembled frame can be used for Rowing Frame or Sliding Seat configurations as below:

A) Rowing Frame Configuration

Place the predrilled plastic board on the assembled frame as shown below. Now secure the whole Rowing Frame with 4 large knurled nuts (a), 4 large washers (b), 2 Phillips head bolts (f), 2 small washers (c) and 2 small knurled nuts (g) as shown.



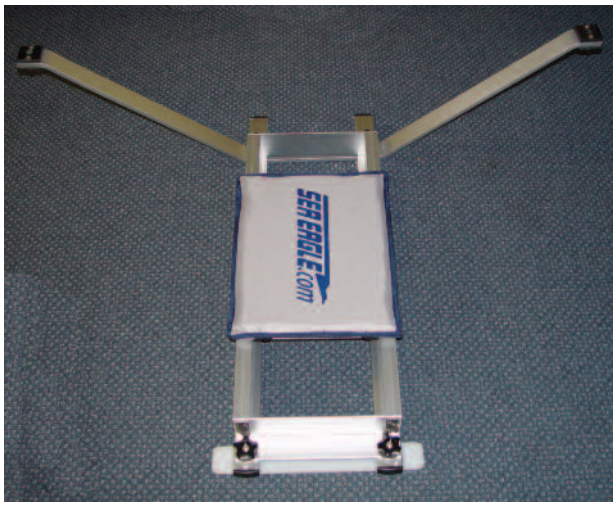
Now place assembled the rowing frame on your paddleski between the middle and the aft yoke. The rowing arm should lie towards the stern of the paddleski. The rowing frame should touch the middle yoke to prevent movement of the frame during rowing. Place a DKS Seat over the board for comfort and secure it to the d-rings on the boat. If your PaddleSki did not come with a DKS seat, you may use a Boat Cushion (not included) or any other seat cushion for comfort. Loop the included foot strap around the bolts of the aft yoke to lock your feet while rowing. Fully assembled rowing frame looks like this.



Instructions on how to attach the oars to the rowing arm is explained in the instructions for the Sliding Seat.

B) Sliding Seat Configuration

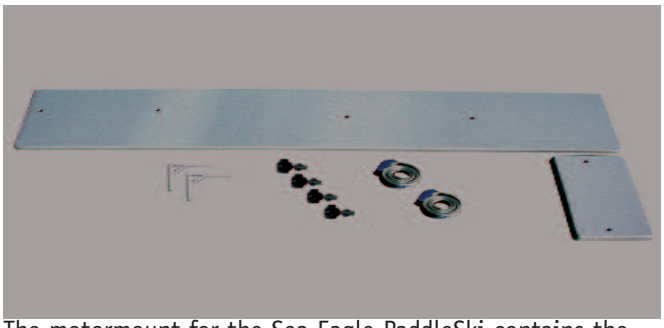
Place the sliding seat on the preassembled frame. Then secure the sliding seat to the preassembled frame with 4 large black knurled nuts (a) and 4 large washers (b) as shown below. Attach the sliding seat cushion to the the sliding board for comfort during rowing.



Place the assembled Sliding Seat on your PaddleSki between the middle and the aft yoke. The rowing arm should lie towards the stern. The assembled sliding seat must touch the middle yoke as shown to prevent movement of the frame while rowing. Loop the included foot strap around the bolts of the aft yoke to lock your feet while rowing.

Now snap the collapsible oars together, attach the oarlock pins with bolts and wing nuts. Now drop the oarlock pins in the fittings on the two end of the rowing arm as shown.

PaddleSki Side Motormount for Electric Motor



The motormount for the Sea Eagle PaddleSki contains the following parts shown above:

1 Motormount Yoke Board, 1 Motormount upright board, 4 Bolts 2 L Brackets and 2 Straps.

Remove the rear yoke from your PaddleSki.

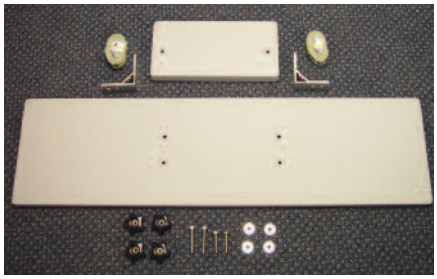
Place the Motormount Yoke Board over the yoke bolts and secure with the yoke nuts. The holes on the outboard side should be toward the rear so the motormount upright board can be attached.

Most people prefer to operate the motor with their left hand. You can also attach the motormount board with the motor on the right side of the PaddleSki if you would rather steer with your right hand. Just make sure that the two holes on the outboard side are closer to the rear than the front.

Attach the L-Brackets to the motormount yoke board and motormount upright board as shown. The motormount upright board should be flush with the rear of the motormount.

Use one of the enclosed straps to secure the motormount yoke board. Run the strap through the small D-rings fore and aft of the board and tighten. Secure your battery with the other strap as shown at left.

PaddleSki Center Motormount for Gas Motor

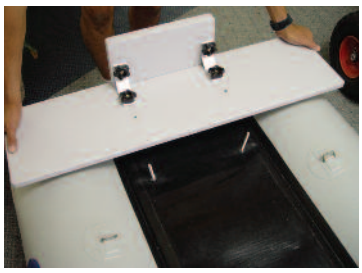


The motormount for the Sea Eagle PaddleSki contains the following parts shown on the left:

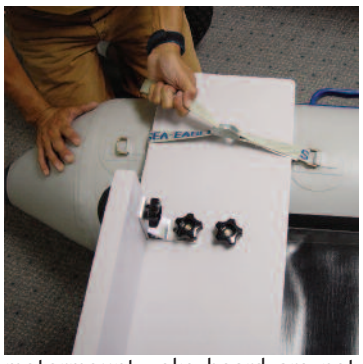
1 Motormount yoke board, 1 Motormount upright board, 2 2" bolts , 2 1-3/8" bolts, 2 L-brackets, 2 Straps, 4 Knurled nuts and 4 Washers

Remove the upper Aluminum bar of rear yoke from your PaddleSki.

Attach the L-Brackets to the motormount yoke board and motormount upright board as shown. The motormount upright board should be flush with the rear of the motormount. Use the two 2" bolts, 2 washers and 2 knurled nuts for the motormount upright and the two 1-3/8" bolts, 2 washers and 2 knurled nuts for the Motormount Yoke board.



Place the Motormount Yoke Board in place of the third yoke over the yoke bolts and secure it with knurled nuts. Leave the knurled knuts a bit loose at this stage.



Use one of the enclosed straps to secure the motormount yoke board. Run the strap only through the small D-rings fore of the motormount yoke board and tighten it firmly as shown. This way the motormount is pulled towards the D-rings fore of the Motormount yoke board. (D-rings aft of motormount yoke board are not required for the installation of the Center Motormount for the PaddleSki).

Similarly strap the other side of the motormount yoke board to the PaddleSki using the other strap.

The excess length of the strap may be tucked under the motormount as shown. The knurled nuts may now be tightened to secure the motormount to the PaddleSki.

State and Local Registration

If you wish to put any kind of motor on your PaddleSki, you will be required to register it. Your State Dept. of Motor Vehicles will assign a registration number that must be displayed near the bow of your boat. Hint: instead of applying the registration numbers directly on the boat where they may fall off or fade, apply them to a piece of wood or plastic which you tie to the rope lacing on the boat. You will be required to provide the certificate of origin (MSO), which will be included in the package with your boat to register.

Care and Preservation

There is very little that you have to do to keep your boat in good condition for many years. You may store it inflated or deflated. If you leave it outside, raise it up off the ground.

We do not recommend hanging the boat. If you store it in a closet, basement or garage, we suggest you pick a cool, dry spot, making sure the boat is clean and dry before you pack it up - or mold can accumulate. That is all you need to do to keep your boat in mint condition for years to come.

The lifespan of your new Sea Eagle boat can be extended by using 303 Protectant. If you leave your boat outside, spray it on every 30-45 days and wipe dry. 303 Protectant greatly improves UV and chemical resistance and will keep your Sea Eagle like new for many years.

For tough stains and discoloration we recommend 3M Vinyl Cleaner and Restorer. The 3M Vinyl Cleaner and Restorer will coat and restore the hull material. When storing the boat for long periods, DO NOT sprinkle with powders. Do not store in an area where it is likely to be exposed to extreme temperatures. (above 130° F or below -20° F)

Troubleshooting

Leakage of air: If your boat appears a bit soft, it might not be because of a leak. If the boat was inflated late in the day with 90 degree air, that air might cool 20 degrees overnight. The cooler air exerts less pressure on the hull, so it could appear soft the next morning.

If there has been no temperature variation, you need to start looking for a leak. Below are the three best methods.

1) Visual inspection. Get a good look at your boat from just a few feet away. Flip it over and closely check over the outside. Any large leaks should be clearly visible.

2) Listening. If you have a rough idea where your leak is, you can sometimes hear it in a quiet room.

3) Soapy water. Use a mix of dishwashing liquid and water in a spray bottle, and spray over suspicious areas. Any leak will produce bubbles that will pinpoint the location of the leak.

Check your valves: Look, listen, and if necessary, spray soapy water around your valve and the valve base. Leaky valves have several causes:

1) Crossed threads. Make sure that both the inner valve and the outer cap are firmly screwed together. If threads are crossed on either item a slow leak could result. A good way to avoid this is to first turn the outer cap back 1/4 turn.

2) Sand in Diaphragm, threads, or o-ring. Check the black diaphragm at the bottom of the inner valve for sand between the diaphragm and the inner valve. Also check the threads on the inner valve, boat hull, and outer cap for any dirt or sand which might break the seal. Check the O-ring on the inside of the outer cap for any sand or contaminants which might break the seal.

3) Extreme overtightening of inner valve into valve base can cause a depression in the top of the valve base. In this case, simply sand the depression out with fine sandpaper to create a flush surface.

Repairs

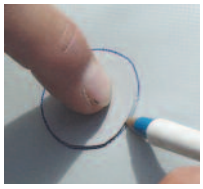
Through use you may occasionally puncture your boat. Most leaks only take a few minutes to repair. Your boat comes with a repair kit, and additional repair supplies can be ordered from our website.

Small Repairs: Deflate your boat. Thoroughly clean (you can use 3M Vinyl Cleaner for this purpose) and dry area to be repaired. For a small puncture (less than 1/8th") apply a small drop of glue. Let dry 12 hours.

Patches: Leaks larger than a pinhole can be patched. Most patches can be done in a few minutes, but we do offer a repair service for more complex jobs out of warranty. Our minimum repair fee is $75. and you will be responsible for freight expenses to our facility in Port Jefferson and return freight to your destination.

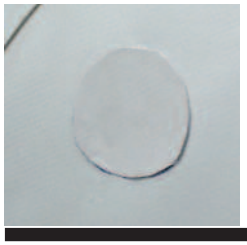
First locate the leak by the methods above. Soapy water will bubble out from the source of the leak.

Thoroughly clean the area surrounding the leak to remove any dirt or grime.



Cut a piece of repair material large enough to overlap the damaged area by approximately 1/2". Round off the edges, and place over the damaged area. Using a ball point pen, trace the outline of the patch. Angle the pen inward a bit so that the ink will be covered by the patch later.

Apply adhesive to the underneath side of patch and around the area to be repaired. Coat the affected area lightly but completely with glue. Let the glue sit for 2-4 minutes until it appears tacky.



Place the patch on the damaged area and press down firmly. Place a 3-5 pound weight over the patch and allow 12 hours for repair to dry. After patch has dried, apply glue around the edges for a complete seal (dry 4 hours).

Replacing Recessed One Way Valves

Over the years the Recessed One Way valves can loosen a bit which will produce a slow leak. If you are seeing this, first try to tighten the valve using the the black Recessed One Way valve replacement tool in your repair kit. If this does not reduce the slow leak, and you have ruled out a puncture, you might need replacement valves.

To replace your valve, use the aforementioned Recessed One Way tool to remove the old valve. Turn in a counterclockwise manner to remove the outer valve

The inner valve is loose, so make sure you hold the hull so that it does not move.

Put the new outer valve in place and tighten by hand until secure. Use the black Recessed One Way valve replacement tool to tighten completely.

Deflation and Rollup

If you plan on storing your PaddleSki for more than a few days, it is best to towel it off or let the boat dry in the sun to remove any excess moisture which might cause unsightly mildew.

1. First open all the valves and let the PaddleSki deflate for a minute or two. (See Valves for details)

2. Fold the tips of the pontoons inward as shown at left

3. Starting from the stern, roll the PaddleSki up like a sleeping bag. This will force the air out of the valves in the bow.

4. For the most compact storage it is important to roll the boat tightly in the beginning and keep it tight.

5. Once the boat is rolled up it is ready to be stored or carried.