

SEA EAGLE.com[®]



PaddleSki 437ps

Instruction & Owner's Manual

Sea Eagle Boats Inc.
19 N. Columbia Street, Suite 1
Port Jefferson, NY 11777
1-800-748-8066

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Congratulations on purchasing a Sea Eagle!

With over 50 years of experience in designing, selling and using these quality inflatables, we're confident that you are going to love your Sea Eagle and we're ready to proudly stand behind them.

Sea Eagle Warranty

All Sea Eagle products come standard with a 3 year warranty against manufacturing defects. The warranty begins the date that your product is delivered.

Warranty does not cover damage from use, neglect, or abuse such as but not limited to abrasions, punctures and tears.

See complete warranty details at SeaEagle.com/Warranty.

If you receive a damaged item, please call the shipping carrier to report the issue. Do not return damaged merchandise until it has been inspected by the carrier. Sea Eagle will be notified by the carrier when they have completed their inspection and if necessary, Sea Eagle will arrange for the repair or replacement of damaged merchandise.

Decals, Stickers & Registration

Always contact your state boating authorities for information on boating registration and regulations. Most states require you to register your boat if you are using a motor. ****The Sea Eagle PaddleSki is rated for use with up to a 6 hp motor.***

Upon registration it may be required to provide the Manufacturer's Statement of Origin. Purchases made through an authorized dealer or reseller may require for you to contact them directly in order to obtain this. You may be charged your own state sales tax if you were not charged sales tax at the time of purchase.

Registered boats generally require for the registration number to be applied to the boat. We do not recommend the use of decals or stickers as they tend to crack and peel over time with the repeated inflation and deflation of your Sea Eagle. Instead we suggest applying these numbers to a small piece of hard plastic or marine plywood and hanging it from your boat like a license plate if permitted by your state. Another method is to apply the numbers to the hull using either PVC based paint or permanent marker.

Contact Us

Unlike many other companies today we pride ourselves on answering the phone and helping you with any concerns, questions or special ordering needs that you may have! Feel free to give us a call at **1-800-748-8066** and we will be happy to talk with you! Our business hours are Monday to Friday from 9AM to 5PM, EST.

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SAFETY

In a manual of this type it is impossible to give adequate space to the topic of water safety. For further information on boating safety, visit USCGBoating.org or enroll in a water safety course given by a local provider.

As a safety reminder, each Sea Eagle has a safety summary we call Boating Safety Basics printed on it. Please follow these suggestions and use good boating safety practices. In addition to the basics, we suggest you have a reasonable swimming ability and know that it is safer to go boating with a buddy. If you go alone, tell someone your float plan as described below. When possible, plan your trip so you go upwind on the way out and downwind on the way back.

Boating Safety Tips

- Always wear a USCG approved PFD (life vest) at all times while on the water.
- Be aware of your local boating rules and regulations and abide by them accordingly.
- Check inflation levels each time before you go out and inflate your boat for a full 24 hours before undertaking long trips.
- DO NOT allow children to use your Sea Eagle unsupervised.
- DO NOT consume alcohol while boating or operating a boat while under the influence of alcohol or drugs.
- DO NOT drag your Sea Eagle over pavement or gravel if it can be avoided.
- DO NOT exceed the certified maximum capacities of this boat under any circumstance.
- DO NOT go boating alone.
- DO NOT use compressors, CO₂ or compressed air for inflation, only use Sea Eagle recommended pumps.
- DO NOT use your Sea Eagle Boat as a personal flotation device as they are not rated for that use.
- DO NOT sleep inside of your Sea Eagle while on the water.
- Bring a fully charged cell phone or other emergency contact device in a waterproof bag.
- Always tell someone of your boating plans.

Safety Equipment & Important Safety Items

Water conditions will determine the type of safety equipment needed. At a minimum have a PFD (personal flotation device) and a whistle for each passenger. PFDs are required by law in most places.

Drinking Water & Snacks: Boating is a physical activity that can deplete your reserves. Have enough water and snacks to prevent dehydration and loss of stamina. Bring enough water for all passengers. Know the warning signs of dehydration and heat sickness such as dizziness and shaking.

Extra Clothes/Layers: Avoid deadly hypothermia. Water conducts heat faster than air, so go prepared with weather proof clothing especially if the water is cold. Use a “dry bag” to store extra clothing inside so they’re not damp when needed. Wear a wetsuit or drysuit when warranted.

First Aid-Kit: Contents of the kit may vary depending on your preferences but be sure to include items that match the hazards you are likely to encounter. A waterproof container is recommended.

Manual Pump/Repair Kit: Although our boats are both durable and rugged, it may be possible that you need to make a repair while on the water in which case you’ll need the repair kit and a manual pump to re-inflate the boat. If this is your first repair, you may also want to bring this instruction manual with you.

Sun/Rain Protection: A hat can protect both your face and head from the rain or sun. Sunscreen will help prevent serious damage to your skin from the sun and the sun’s reflection from the water. Reapply sunscreen as needed.

Whistle: Having a whistle readily available to you in case of emergency is a great way to attract the attention of others if assistance is needed.

Float Plan: Similar to a pilot’s Flight Plan, consider having a Float Plan (www.floatplancentral.org). Always tell someone where you are going to be boating and what time you plan to return. Keep a cell phone in a waterproof container that will float if it falls in the water.

SAFETY

Boating is challenging and inherently dangerous. Follow safe boating practices. Be physically fit enough to meet the challenges, prepared for any weather conditions that might be anticipated, and follow the safety basics. Protect all personal items in a waterproof bag. Secure all accessories to the boat. The PaddleSki is large and stable for a boat, but weight (such as batteries, motors and gear) low and as close to the center as possible to minimize tippiness.

Motor Safety and Reboarding



Danger: Spinning propellers and carbon monoxide produced by gas engines can cause serious injury or death.

- Do not approach a running motor from the water.
- If you or your passenger falls overboard, **do not attempt to reboard in the motor mount area.**
- Turn engine off at a safe distance when approaching a swimmer in the water.
- Install propeller guard on gas motors

If the motor is equipped with an engine safety cutoff (kill) switch, the driver must attach the cable to themselves, either around the thigh or wrist, or to clothing (preferably a life jacket). In addition:

- Test regularly to ensure that the engine stops when the kill cord is pulled from the switch.
- Make sure that the kill cord is in good condition.
- Always attach the kill cord securely to the driver, ideally before the engine is started, but certainly before the boat is put in gear.
- Stop the engine before transferring the kill cord to another driver.
- Wireless kill switches are available and each passenger can wear one.
- Do not allow passengers to ride on the bow of the boat. Passengers shall ride in secured seat and hold onto the safety handles.

Safety Training

Completion of an approved boating safety course is recommended for all operators of powered boats, and is required for junior operators in many jurisdictions.

Battery Features and Safety for Trolling Motors

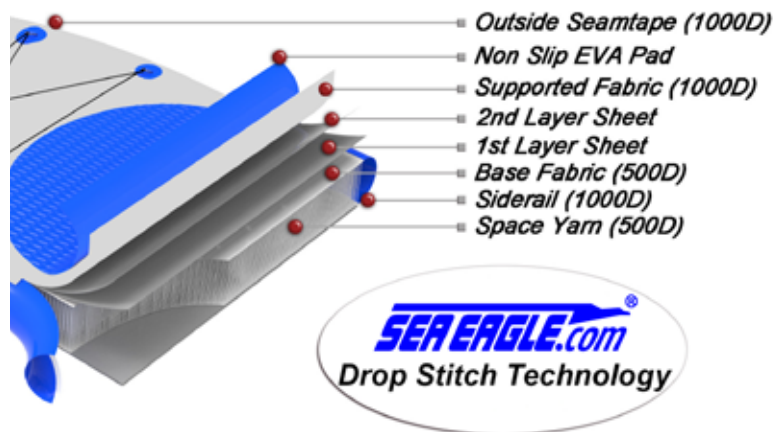
- Positive (+) red wire connects to positive (+) battery terminal. Black wire to negative terminal (-).
- To determine a battery's charge life, divide the amp hour rating by the motor amperage. For example, a battery rated at 60 Ah connected to a 30 amp motor will last approximately two hours at full speed. Note: this number will vary depending on conditions.
- Running the battery all the way down will shorten its life. Not more than 85% discharge is recommended. Multiply the above by 0.85 to get best run time.
- Charge battery after each use. Lead acid batteries like to be kept charged.
- Exposure to excessive heat will shorten battery life.
- Cold Cranking Amps (CCA) and starting power are not a consideration for trolling.
- 12v automobile, lawn tractor and motorcycle batteries can be used but are not designed for deep discharge and will wear out more quickly.
- A battery box like the Minn Kota Power Center is recommended, especially around aluminum paddle shafts which could cause an electrical short. It has a built-in circuit breaker. It will keep bare skin and clothes protected if any acid leaks from the battery.
- A circuit breaker or fuse is required by the Coast Guard. Check the trolling motor manual for the size circuit interrupter needed. Circuit interrupters are intended to protect against reverse polarity, shorts, and will protect the motor from overheating if the propeller gets bound up with weeds, anchor line or fishing line.
- In the event the motor wires are placed on the wrong terminals, reversing the polarity, the wires heat up and can melt the insulation and cut through the boat.
- A 12v battery charger will be needed. Chargers are widely available and prices range widely. Inexpensive chargers are usually sufficient.
- Choose gel cell over wet cell. Gel will be less likely to leak acid if the case seal is broken.
- Lithium or AGM batteries can be a good choice even if they are more expensive. They are generally lighter, discharge evenly for longer run times, and charge evenly for a longer life.
- For some operators, two small batteries are better than one large, heavy one. A small backup battery can be helpful too.

More technical and safety information is available from battery and motor manufacturer's, boating organizations and publications.

CONSTRUCTION & WORKING PRESSURE


Drop Stitch Construction:

The boat is made of drop-stitch material. Dozens of threads per square inch hold the top and bottom layers together and keep the flat-boat shape. Without drop stitch, inflatables are tube shaped.



Working Pressure:


In this instruction manual, we use the term “working pressure” to describe inflation pressure in pounds per square inch (PSI). By this we mean, the air pressure needed to make a boat rigid enough for use. The working pressure for the center floor chamber is drop stitch material is 8 - 10 psi (0.5-0.7 bar). The working pressure of the side chambers are 2.5 - 3.2 psi (0.17-0.22 bar).

 **Danger:** Over pressurization could lead to catastrophic failure and sudden release of compressed air. Serious injury to persons nearby could result. Maximum recommended pressure of 10 psi (0.7 bar) in floor and 3.2 psi (0.17 bar) in sides. **DO NOT** use air compressors that are designed for other uses such as tire inflation. They can easily over-inflate & cause harm to you and your Sea Eagle that uses much lower pressure.

As air is compressed it heats up and expands. Warm air occupies more volume than cool air. If the water is cold, warm air in the boat will cool and shrink. Some rigidity will be lost. Allow a few minutes for the boat to cool off in the water, and if needed, top it off with enough pump strokes to bring it back up to pressure. The boat could also appear to lose pressure overnight if the nighttime temperature drops significantly below the daytime temperature.

Air pressure within the boat may increase on a very hot day. It is best to keep the boat in the water to dissipate heat, but the boat should be able to accept the additional pressure without failure. Refer to the care section of this manual for protection and storage information.

The PaddleSki holds a lot of air! Inflating with the manual pump is hard work and takes approximately 10 minutes with breaks to inflate the boat. The exercise from inflating the boat may be valuable, but often boating time is limited and it is better to get out on the water as quickly as possible. An electric pump is recommended for achieving that goal.

 **Caution:** Inflating the boat manually is physically demanding. Pace yourself. If you feel uncomfortable, stop and rest, do not proceed if you are having a health issue.

OPERATING YOUR SEA EAGLE


BEFORE & DURING USE: Avoid damage. Do not drag your Sea Eagle over abrasive surfaces like asphalt parking lots, or concrete boat ramp, whether the boat is in its bag or inflated. Carry or wheel your Sea Eagle from the car to the setup point, and then to the water when assembled.

PADDLING: The 437PS is wider than most kayaks, at 4-feet wide, it can be difficult to paddle for extended periods. The boat can be used without a motor but was designed to be used with a motor. When paddling, most of the power should come from your torso. Your arms contribute, but too much reliance on your arms will cause you to tire quickly. For good balance, keep your head up and eyes focused on the horizon. Start paddling gently and smoothly. As the boat picks up speed it will maintain a truer heading. If you dig in hard at first you will create more yaw. Course corrections can be made by easing up or bearing down on one side or the other. Gentle turns can be made by sweeping water behind the boat. Braking will allow you to maneuver sharp bends in a stream, for example, but kills forward speed.

In a crosswind, paddle more on the downwind (leeward) side of the boat to keep on a straight course. Paddling on the upwind side will cause the boat to turn down wind.

SELF BAILING: The PaddleSki is designed to be self draining. Water coming over the bow or sides will drain under the transom.

RIGHT OF WAY: Stay out of boat channels whenever possible. Be prepared to yield right of way to larger boats especially if the oncoming boat has structures such as cabins or open hatches that limit visibility of the water ahead.

PUNCTURE HAZARD  **Caution:** Rocks and sticks usually will not damage a Sea Eagle but be alert for partially hidden or submerged hazards like metal signs, shopping carts, and other debris especially during periods of low water. Be careful of docks and pilings which may have exposed nails, screws, and marine life such as barnacles and oysters.

Many species of fish have sharp spines that can cause small punctures in the PaddleSki. Do not allow fighting fish to bump the boat. Use a net to lift fish out of water when possible.

Capacity Ratings and Dimensions:

Persons: 2 Persons

Total Weight Capacity: 1200 lbs

Maximum Engine Rating: 6 HP, Short Shaft Recommended

Chambers: 5

Length: 14'


Boat Weight: 67 lbs (93 lbs. with seats)


Width: 4'

Material: PVC

The 473PS has five air chambers: one drop stitch floor chamber and two side pontoons divided into two chambers.






 **Caution** The 437PS goes fast!. It has two safety handles for each seating position. Hold one or both handles when underway.

 **WARNING:** This product can expose you to chemicals including DEHP (Di(2-ethylhexyl)phthalate), which is known to the state of California to cause Cancer, Birth Defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Hull ID number is located on the starboard side, near the back of the boat (LES...). Each ID number is reported to the National Insurance Crime Bureau (NICB) as required by the NMMA.

Warning Labels:

 DANGER	
	<p>Carbon Monoxide (CO) gas can cause brain damage or death.</p> <p>Engine exhaust contains odorless and colorless Carbon Monoxide gas.</p> <p>Carbon Monoxide gas will be around the back of the boat when engine is running.</p> <p>Move to fresh air, if you feel nausea, headache, dizziness or drowsiness.</p>

 WARNING
<p>ROTATING PROPELLER MAY CAUSE SERIOUS INJURY OR DEATH.</p> <p>SHUT OFF ENGINE WHEN NEAR PERSONS IN THE WATER</p>

Safety Instructions/Boating Safety Basics are glued to the inside of the left chamber mid-ship.

Invasive Species Control: If the boat is to be used in multiple waterways, fully drain the boat, rinse and dry between uses. Flush the channel between the side chambers and floor chamber with a disinfectant such as a mild bleach solution. Call or check website for local fish and wildlife authority for more information on how to prevent the spread of invasive plants and animals. Your Sea Eagle is resistant to most chemicals.

PaddleSki | SETUP: TOOLS FOR 1 TIME ASSEMBLY



Tools for One-Time Assembly

A #2 Phillips head screwdriver, a 7/16" wrench, and adjustable wrench are needed for attaching the rod holder bases swivel seats to their aluminum benches and tightening transom bolts.



Screw the hose onto the pump.

Begin in the double action mode for fast fill.

Switch to single action when handle becomes too hard to lift.



Using the Recessed Valves:

Remove the cap to access the valve stem.



The pump hose has a Recessed Valve Adapter at one end. When ready to inflate the boat, push adapter firmly into valve and twist clockwise to lock in.

If hose untwists itself from the valve, twist once counterclockwise and reinsert.

PaddleSki | ASSEMBLY & INFLATION



Inflate:

Press and turn the stem counterclockwise so it can pop UP. When the stem is up, the valve is closed and will hold air.

Deflate:

To let air escape for deflation, press and turn the stem clockwise until locked open.



Locate an area large enough to safely unfold the PaddleSki. Check that the area is free of hazards that could injure you or damage the boat.

Each side pontoon is separated into two chambers.



With valve stem in the up position, insert adapter, push down firmly and twist clockwise.

Having trouble inserting the adapter? See troubleshooting on page 13.



Using the Double Action Hand Pump:

In the double action mode the pump inflates on the up and down strokes. In the single action mode, the handle comes up more easily, allowing the user to push hard on the down stroke.

If your pump looks different than this one, please call us or check the Instructions page of our website.



Floor:
Inflate the floor to working pressure of between 8 - 10 psi.

Inner numbers show pressure in PSI.

Pressure gauge will not move until chamber begins to get pressurized.



Sides:
Inflate front half of the side pontoons until working pressure of 2.5 -3.2 psi is reached. Lines on the gauge are hard to interpret, do not go past the long line just above "psi". Partially inflate rear chambers, they must be soft until transom is installed.



! WARNING:
Air compressors that are designed for other uses like tire inflation (usually over 30 psi) can easily over-inflate and cause harm to your Sea Eagle that uses a much lower pressure. For this reason, we recommend using only Sea Eagle manual or electric pumps.



Motor Mount Transom
Insert transom board into motor mount grommets. Plate with ring faces forward.

Transom Attachment Hardware
4 - M8 x 90 Hex Head Screws
8 - 1" Flat Washers
4 - Threaded Knobs



Start with floor grommets. Adjust transom board to align the holes.

The rear chambers of the side pontoons must have some air in them, but they must be soft enough to push around to align the holes in the side transom mount grommets with the holes in the transom.



Look through the grommet hole to check alignment with hole in transom. Pull or push bottom of side chamber until holes line up.

A wrench is recommended for holding the bolt heads while tightening the threaded knob.

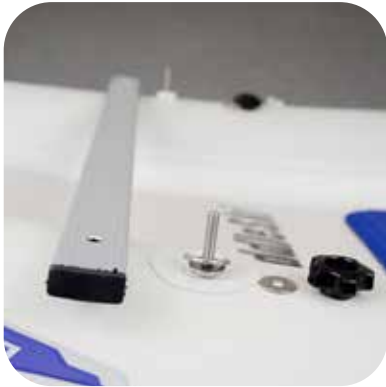


When transom is installed and all screws tightened, inflate the rear chambers.



Bow Support Yoke
Locate the 37" x 2" aluminum yoke bar and hardware.

2 - M8 x 40 hex screws
4 - flat washer
2 - Threaded Knob



Fold the D-rings closest to the front of the boat outward. Place a washer over a bolt and run bolt up through D-ring.



Place yoke bar over screws, secure with washer and knob.



Seat Assembly & Installation

PaddleSki 437 is rated for two passengers. The boat is equipped with two swivel seat and aluminum H-frames that strap to the floor. Bolting the seat to the H-frame is a one-time assembly.



Seat assembly includes one swivel seat and an aluminum H-frame.

- Hardware:**
 4 - 1/4" - 20 x 1 Hex Head Screw
 4 - 1/4" x 11/16" washers
 4 - locking nuts



Turn seat on its side. Pull handle outward to unlock swivel and turn base so holes in the plates are offset as shown in the photo. Insert one screw in a slotted hole in the swivel.

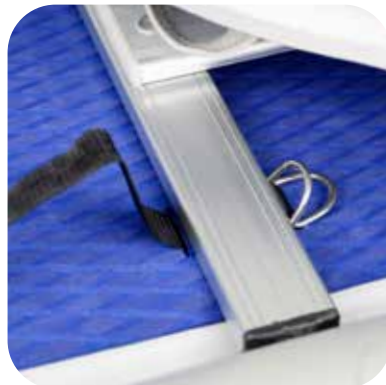


Tighten

Pull frame up to the screw so it goes through one of the holes. Thread nut onto screw hand tight. Insert the remaining screws and hand tighten the nuts until all four screws are started. With two wrenches tighten locking nuts.



Place the frames onto seating positions 1 and 2 on the boat.



Position the aluminum cross bars over the straps and close to the D-rings.



Run strap through both D-rings.



Next run strap around one D-ring and through the other.



Pull strap tight!

⚠ Caution: Straps loosen when wet. Check frequently during use. Tighten when needed.



To swivel the seat, pull locking bar forward then turn the seat.



The PaddleSki has a small D-ring located under the front chamber. The D-ring can be used as an attachment point for a trailer winch or to tie up while at the beach.

⚠ Warning: It is not recommended to tow the boat with this ring except at low speed situations.

All of our kayak paddles assemble in the same manner. Below, the AB30 7'10" paddle is shown.



Kayak Paddle (OPTIONAL)

The asymmetrical spoon blade design of this kayak paddle will allow for a smooth entry and an even pull, maximizing the power from each stroke. They will also require less gripping force.



Put the shaft together first. Insert the shaft piece with the button into the piece with three holes. Lock the button in the middle hole.



Next, slide the drip guards up the shaft to about an inch above the button hole. Insert the blades into the shaft and adjust until the button locks the blade in place.



The additional holes in the shaft are for “feathering” the blades. Blades can be offset 45° from each other. This makes paddling into a stiff breeze easier as the blade that is not in the water will be able to slice through the wind with little resistance.



Paddle can be stowed alongside the seats.



Motor (OPTIONAL)

Clamp electric motor or up to a 6hp gas motor to motor mount. Turn clamp screws until tight.

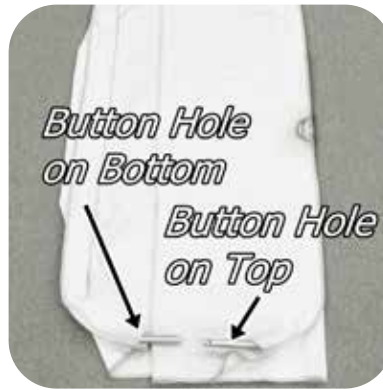
Warning: Check transom & motor clamp screws frequently, tighten if needed.

Caution: Hold safety handles when motoring.



Canopy (OPTIONAL)

Canopy kit includes two curved bars, two side rods, canvas, two black knobs and two short (35mm) screws. Additional hardware may be included that is not for use on the PaddleSki.



Layout canvas upside down (shiny side up).

Slide one curved bar into the canvas sleeve with locking holes up.

Slide the second bar into the other sleeve with locking holes facing down.



Fold the canvas in half so the shiny side is facing out and the bars are lying on top of each other.

Insert the side rods into the curved bars until the locking pins engage through the holes.



Place the canopy on the back of the boat with the short bars up.

Use the 35mm screw and the knob to secure the rods to the black canopy pads on the boat.

Pro Tip: It is easiest to insert screw when side rod is upright.



Attach the rear clips to the small D-rings behind transom. Attach front straps behind the yoke bar. Adjust and tighten straps by sliding the buckles.

Canopy frame is wider than the boat. Push frame rods inward to fit canopy pads.

PaddleSki | ASSEMBLY & INFLATION



Canopy can be folded forward or back. Folded back, may interfere with motor operation for some motors.



Scotty® Deck Mounts (OPTIONAL):

Attach deck mounts with 7/8" phil cap screws provided to the pad mounts near the transom. Screws are located in Orange Repair Kit.

Arrow points inboard.

7/8"



Don't stab the pad!

Use **only** 1/4 - 20 x 7/8" screws provided in the orange repair kit. Longer screws, pointed screws, etc., will puncture the air chamber.

Puncturing the air chamber in this manner is not covered under the warranty.



⚠ Caution: Puncture hazard: do not thread screws into base without the Scotty Deck Mount.



To install a Scotty accessory in the mount, push stem into base until it clicks in.

To turn rod holder, push button and pull holder out of base, reinsert in new position. Anchor Lock mount does not have button, it works by lining up a groove in the stem with a raised key in the base. Lift partially and turn Anchor Lock to swing anchor overboard. Large knob on side of Rod Holder is for adjusting rod angle.

PaddleSki | DEFLATION



Remove transom, seats, yoke bar, rod holders, and canopy. Rod holder bases remain in place. Place boat bag under middle of boat.



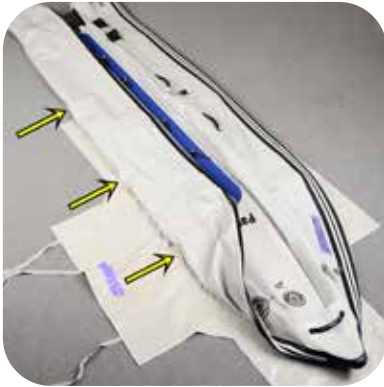
Align the front edge of the bag side flaps with the valves as shown.



To deflate, push down on the valve stem and quarter turn it to the right. The stem will stay in the down position, allowing the air to escape.

⚠ Caution: Air escapes with force, do not place face directly over valve.

PaddleSki | DEFLATION



As the boat deflates, push air out of the open valves. Air flows easily out the open valves.

Push sides onto floor.



Fold the boat from the back (stern) towards the valves in the front (bow). Make a crease in the fabric about 3-feet from the end between the transom mounting grommets and the rod holders. Make the first fold on the crease.



Squeeze air out of the boat. Fold again, this fold will fall on the side-flap of the bag.



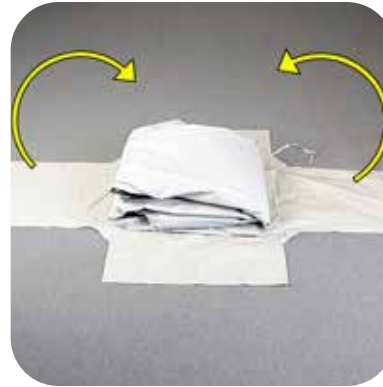
Fold boat one more time so it lands on the center of the bag. Don't fold further, the next step is to fold the bow under this fold.



Lift open the last fold. Make a crease behind the valves and fold the bow onto the center of the bag.



Drop the lifted folds onto bow. Squeeze the air out.



Pull the bag flaps onto PaddleSki. Run the straps through both metal rings. Then run the strap between the rings and pull tight. **Note:** Straps are secured using the same procedure as the floor straps for seat frames (see photos page 9).



Pull the front and back flaps up and secure with the straps.

PaddleSki | CLEANING & PROTECTING

Dry after each use to avoid mold. **While washing or rinsing: close the valve and twist the cap on so water cannot enter the chamber.** Sea Eagles can be cleaned very effectively with general purpose cleaning products and a scrub brush. Towel dry.

Protection from the Sun and Heat

Avoid leaving the boat in direct sunlight when ashore. Temperatures on a beach, dock, davit, etc. can get very high, which could affect the vinyl or glue. Excessive exposure to sun and heat can cause your Sea Eagle to become sticky or cause the glue to fail.

Treat the boat with a UV protectant such as 303 Aerospace Protectant. Generally, protectants are a thin film of oil, which will help keep your Sea Eagle clean. Avoid applying protectant on the EVA pad or places where foot traction is needed. Treated boat will repel sand, water scum and tar stains.

PaddleSki | STORAGE

If you're planning to leave your Sea Eagle outside, keep it raised off the ground and covered so it is not exposed to sunlight, rain, leaves, berries, bird droppings, etc.

Storage Tips: *"The best way to store a Sea Eagle is folded up in it's bag".* - Cecil Hoge, Jr., Sea Eagle President

- Check for water in the chambers. Water will leak out of open valves when it is rolled up.
- Water left inside can leak out and cause a lot of mold. Dry thoroughly to prevent mold.
- Rodent-proof the storage area. Mice, squirrels and other small rodents can do a lot of damage.
- Avoid excess heat. Do not store in direct sunlight, in an attic or a metal shed.
- In temperatures below freezing, do not drop, strike or unroll until it is brought to room temperature.
- It can be stored inflated. If hung, support it along its length.
- After storage, inspect for loose items, damage and leaks.

PaddleSki | TROUBLE SHOOTING



Troubleshoot Valve Adapter

Adapter will not turn in valve opening. Remove red gasket and twist it tightly to stretch it. Once broken in, adapter will turn easily.



Reinstall gasket, groove must be facing outward. Press adapter into valve opening with force and turn it to the right.

If valve opens and air rushes out when removing adapter, pull on hose then twist adapter to left.

If your Sea Eagle has lost pressure, it does not necessarily mean it is leaking. If it is inflated during the heat of the day and the temperature drops during the night it will be softer in the morning. If launching in very cold water, the air inside may contract and cause a loss of pressure. Add more air to restore to full pressure. If temperature is not a factor and your boat is losing air pressure, it's time to look for a leak.

Step #1. LOOK

Visually inspect the boat close up and if necessary, flip it over and closely check the outside. Any large leaks when your boat loses a considerable amount of air should be clearly visible.

Step #2. LISTEN

If you have a rough idea of where your leak is but can't see it, you may want to try listening for it as you may be able to hear the air escaping and pinpoint the leak.

Step #3. TIGHTEN

Check the tightness of the one-way recessed valves as well and if necessary, tighten them with the valve wrench included in the repair kit canister.

PaddleSki| TROUBLE SHOOTING

Step #4. SOAPY WATER TEST

You'll need a bucket and liquid dish washing soap. Fill the bucket with clear water, and add a good squirt of soap (couple of tablespoons) to the water. Inflate the leaking chamber to not more than 5 psi. Spread lots of soapy water on the leaking chamber with a hand towel or large sponge. Don't assume the leak is coming from the valve or seams. The leak may produce bubbles, make hissing or sputtering noises, or spray water. Spray bottles are not effective at locating many leaks.



Too much air pressure can blow soap away without visual clues

PaddleSki| REPAIRS

Even though Sea Eagles are very rugged and tough, you may still experience the occasional puncture. Fortunately most repairs are fairly easy and only take a few minutes. For extensive repairs, please contact us directly to provide you with further assistance. The best way to do this is to e-mail us a digital photo of the area in question along with your hull identification number to staff@seaeagle.com.

You can also call us directly at **1-800-748-8066 ex. 314** and ask to speak with Technical Support for further assistance or a quote for having your boat mailed to our facilities for our professional repair services.

Sea Eagle repair fees start at \$75.00 and does not include return shipping charges. Please note that Sea Eagle does not service any other brand other than our own. All items sent to our repair facilities must have prior authorization in the form of a Return Authorization Number.



Repair kit includes glue for PVC inflatable boat, patch material, and valve tool.

If your kit includes Tear-Aid Patch, it is for temporary field repairs.

PaddleSki| REPAIRS



PVC Based Glue

To patch your Sea Eagle, use an adhesive for PVC boats. Plumber's cement, epoxy, Flex Seal, water-proofing sprays and Gorilla Glue do not work.



Pinholes

Deflate the boat and thoroughly clean and dry the area that is to be repaired.

For small punctures less than 1/8" apply a small drop of glue and allow 24 hours to cure.



Patching

The patch should be as small as reasonably possible. Large patches are difficult to seal.

The most common repairs are a puncture or small cut. A penny size patch is sufficient for repairs of this type.



Trace the outline of a penny on the patch material and on the boat. If a larger patch is needed, use a larger item as a template.



Cut patch along the outline with scissors.



Pro Tip: Trace the outline of the penny on masking tape and cut with a utility knife. Apply tape to the boat instead of tracing on the boat.



Apply glue to the patch and boat. Allow to dry 15 minutes. Glue must be dry to the touch. If glue layer is thin, apply second coat, allow to dry 15 minutes.

For field repairs, apply patch when glue is tacky.



Apply patch to the boat. Smooth with finger or a smoothing tool such as a spoon, handle of a utility knife, or screwdriver. For best results, heat patch with a hair dryer 10-20 seconds and smooth with tool.

Field repairs, allow 1 hour or longer. Partially inflate until cured, 24 hours.

Patching Tips:

- The chamber must be deflated or the air will force a path through the glue.
- Keep the patch size to a minimum, the bigger the patch, the harder it is to seal. The most common repair failures occur because the patch is too big.
- For repairs larger than a puncture, overlap the damage area by about 1/2" on each side.
- Do not apply the patch while the glue is wet.
- Covering a leaking patch with another patch rarely fixes the problem. To remove a patch, heat it with a hair dryer and peel it off.
- For field repairs, allow at least an hour to cure. Other repairs, allow to cure overnight.
- Patches can be removed by heating with a hairdryer.
- **Never** use a heat gun on your boat.
- Clamps and weights are not needed.

For a demonstration of good patching technique, please view the **How to Repair** video on the instruction page of our web site. There is a link at the bottom of every page at **SeaEagle.com** or type "instructions" into the search box.



Tighten Valve

Insert valve tool into valve opening. The valve has a base inside. Tightening is best done when boat is inflated which keeps base from spinning. If chamber will not hold air, stand with feet on either side of valve to hold base.



Press on center of valve tool with free hand to keep from breaking the teeth off the tool. If loosening a very tight valve, an extension tube might be needed.



Sea Eagle offers a large array of accessories for your PaddleSki.



Personal Flotation Devices (OPTIONAL)
U.S.C.G. approved. Life jackets, paddling vest, PFD Belts available in various sizes.



Dry Bag (OPTIONAL)
5 liter & 25 liter bags keep phone, keys, snacks and more dry.



See-me Safety Light (OPTIONAL)
Coast Guard approved LED personal safety light emits a 360° light visible up to 3.4 miles. It also attaches to a PFD!



BTP Turbo Electric Pump (OPTIONAL)
These electric pumps come with a nylon shoulder carry bag, 12V DC power cord, hose and pre-attached recessed valve adapter.



EZ Cart Small (OPTIONAL)
Transport your Boat from your car to the water and back with ease. Quickly assembles & disassembles.



303 Protectant (OPTIONAL)
Extends the life of your Sea Eagle. Simply spray on every 30-45 days to improve resistance to UV, chemical & other types of harmful exposure.

Contact Us

Unlike many other companies today we pride ourselves on answering the phone and helping you with any concerns or questions. Feel free to give us a call at **1-800-748-8066** and we will be happy to talk with you! Our business hours are Monday to Friday from 9AM to 5PM, EST.

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