



RazorLite™ Kayaks

393rl and 473rl

Instruction & Owner's Manual

For video instructions visit SeaEagle.com/Instructions

Sea Eagle Boats Inc.
19 N. Columbia Street, Suite 1
Port Jefferson, NY 11777
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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 and is transferable.

See complete warranty details at SeaEagle.com/Warranty.

Registration Decals & Numbers

Most states do not require a registration of kayaks but check local requirements. The RazorLite™ can take skeg mounted electric motor such as the Bixpy motor. In that case, you may be required to register the kayak. Kayak and motor, including trolling motors, to be registered with the Department of Motor Vehicles or at an other office like Oregon's State Marine Board for example.

For most states, a Manufacturer's statement of Origin (MSO) and Bill of Sale (BOS) are needed for registration. The MSO is printed on blue safety paper with original signature. We typically place these documents in a protective pocket adhered to the outside of the boat box. Check the outside boat box for these documents before discarding the boxes. We are required to collect sales tax for most places we ship to in the United States and some countries. If we did not collect tax, it may be due when you register the boat.

Some boat specifications may be needed for registration, these can be found on the MSO and on page 4 of this document.

For Sea Eagle owners who purchased their boat from one of our dealers or affiliates, a copy of the Bill of Sale cannot be provided by Sea Eagle, it must be obtained from the dealer or affiliate, but Sea Eagle can supply a replacement MSO.

Boat registration stickers and numbers must be affixed to the boat in most jurisdictions. Registration stickers and vinyl numbers will not adhere well to an inflatable boat. Stretching from inflation and deflation causes vinyl numbers to peel off and the registration sticker to break up. We recommend gluing a plate for the sticker to the boat, using stencils and paint or a marker for the numbers, or purchasing a boat number plate online. Search the web for boat number registration plates for inflatable boats.

NICB

The hull identification number (HIN) for each boat Sea Eagle sold or shipped from our headquarters is registered quarterly with National Insurance Crime Bureau (NICB). If stolen, authorities can search the national data base to see if anyone has registered the boat or it can be blocked from registration.

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

It is not possible to fully cover boating and boating safety in this owner's manual. We recommend boating safety education through reading, videos, and mentorship from experienced boaters. Boating is challenging and inherently dangerous. Follow safe practices, be fit enough to meet the challenges of boating, and prepared for any weather conditions that may occur. Build experience, start with small, easy trips.

The information in the owner's manual is supplied with the understanding that the boat will be operated using good seamanship with attention to safe loading, safe operating conditions, and safe operation. The manner in which the boat is loaded and operated is the responsibility of the operator.

Intended Use: The RazorLite™ is intended for near shore recreational use. The RazorLite™ is not self bailing, and should not be used in whitewater or in the surf.

Boating Safety Course

In the United States, the Coast Guard is the authority on boating operation and safety. Many state and international requirements go beyond Coast Guard requirements including boating safety course and certification requirements. Call or visit local jurisdiction web sites for more information. Some states are requiring certification courses for operators of motorized boats.

Local Knowledge

Some agencies including parks and environmental protection departments may have special requirements. Be aware of dam release schedule, dangerous river hydraulic, tide flow issues, and similar.

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 exceed the certified maximum capacities of this boat under any circumstance.
- DO NOT go paddling 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

Life Jacket or Personal Flotation Device (PFD): Life Jacket or PFD of correct size range is required. Choose a PFD that is comfortable for you and wear it at all times. Stay hydrated, and take steps to cool off and avoid heat stroke, such as wade or swim in the water. Statistics show that most drowning victims are relatively inexperienced boaters not wearing PFDs.

Whistle: Every boat or boat under 16' long must have a whistle or horn. Being heard by a passing boat can save your life, a whistle for each life jacket (PFD) is recommended.

Drinking Water & Snacks: Paddle 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

SAFETY

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.

Float Plan & Phone: 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, on a lanyard, in a life jacket pocket, or other secure location.

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.

OPERATING YOUR SEA EAGLE

RazorLite™ 10 - World's 1st Inflatable Kayak Made Entirely Of Drop Stitch Material!

The patented Sea Eagle RazorLite™ high performance kayak is the world's first inflatable kayak made entirely with Drop Stitch Technology throughout. The RL is constructed of 3" Drop Stitch material for the floor and 4" Drop Stitch material for the side walls. Drop Stitch material has thousands of high tensile strength threads connecting the top and bottom fabric layers, creating thousands of I-beam supports. This enables the RazorLite™ to keep the board-like shape of the floor and sides so that when it is inflated up to 10 psi it is very rigid. Drop Stitch construction makes the RazorLite™ as fast as any 12' rigid kayak and provides the added benefits of being quick to set up and pack into its backpack.

Operating Your Sea Eagle

PADDLING: For the most effective paddling, sit up straight and hold the paddle out in front of you with hands out wide enough that the forearms are perpendicular to the shaft (like a push-up position). 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, especially in heavy seas, keep your head up and eyes focused on the horizon.

Start paddling gently and smoothly. As the kayak 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. Sharp turns can be made by using the paddle as a brake on one side. Braking will allow you to maneuver sharp bends in a stream, for example, but kills forward speed.

BALANCE: The RazorLite10 is a V-shaped boat which is more stable than a flat bottomed inflatable kayak. Take a minute while close to shore to find your balance in the kayak. Hold the paddle out in front of you for balance and keep your eyes on the horizon. Feel the balance of the boat as you begin to gently paddle. If the boat begins to roll back and forth, move your eyes to the horizon while holding the paddle out in front you. This can take practice, and is especially difficult in the heat of the moment. Looking down and side to side will increase the rolling action. Make sure all the items you bring like bags, coolers, water bottles are secured so they won't float away. To avoid capsizing, paddle directly into oncoming boat wake.

YAW: Yaw is the side to side motion produced by paddling which causes the boat to zig-zag. To minimize yaw, install the skeg into its base on the bottom of the boat.

Unassisted Reboarding: If you capsize, stay calm and get a hand on the boat. Place paddle in the boat. Pull boat so that you are on one of the sides. Reach into the boat and grab center carry handle. Lie with your belly laying in the water and legs out straight from the boat. With a big scissor kick, pull your belly up and onto the floor. Turn over and swing legs in. Reboarding requires strength, you may need to shed heavy clothes or boots in order to get aboard

OPERATING YOUR SEA EAGLE

Ratings, Dimensions, Capacity and Material:

	393rl	473rl
Occupants:	1 Person	2 Persons
Total Weight Capacity:	500 lbs.	750 lbs.
Number of Chambers:	3	3
Length:	12' 6"	15' 6"
Width:	2' 4"	2' 6"
Boat Weight:	35 lbs. (Assembled 38 lbs.)	45 lbs. (49 lbs. Assembled)
Material:	PVC	PVC



The RazorLite™ can be outfitted with an electric motor that mounts to the skeg base.

Features

Chambers: Three chambers that will keep the kayak's shape even if one chamber deflates.

FlexBrace2: Foot bracing system. Easily adjustable and easy to install or remove bracing pedals.

Center Carry Handle: Enables the kayak to be carried by one person. Carry handles at the end allow for two person portage.

Floor Drains: One drain on each side for draining accumulated water.

Removable Skeg: RazorLites track very well with or without the skeg installed.


Skeg Base Insert: Helps prevent the base from warping when the boat is folded.


Gear Hold Down Loops: The RazorLites have web loops forward of the FlexBrace pedals and behind the seat for securing gear.



Invasive Species Control

If the boat is to be used in multiple waterways, fully drain the boat, rinse and dry between uses. Boat is resistant to steam cleaning and chemicals. It can be rinsed with a disinfectant such as a bleach solution. Call or check the website of the local fish and wildlife authority for more information on how to prevent the spread of invasive plants and animals and their requirements.

 **WARNING:** Solvents used in materials contained in this product such as methyl ethyl ketone, toluene and acetone are known to cause disease in humans. Off gassing of solvents is most concentrated when the product is new. Open packaging in well ventilated area and avoid transportation in enclosed vehicle with occupants when new.

 **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

Compliance

Sea Eagle boats comply with ABYC Standards, US Coast Guard standards for recreational boats and labeling for compliance with California proposition 65.

Avoid Damage



CAUTION: Avoid damaging the boat. Do not drag a Sea Eagle boat over abrasive surfaces such as parking lots and concrete boat ramps. Do not scuff a folded boat on an abrasive surface, protruding folds or creases can be damaged. Carry or wheel your Sea Eagle from your vehicle to the setup point, and then into the water when assembled.



CAUTION: Cart, dolly or trailer wheels rubbing on an inflatable boat can do a lot of damage, be sure boat is clear of wheels.



CAUTION: When using a ratchet strap to secure an inflatable, use a protective pad between the boat and ratchet mechanism to prevent a puncture. Repair kit patch material is ideal for this purpose.



CAUTION: Avoid puncturing boat with screws or other hardware. Follow instructions when screwing hardware into Scotty glue-on pads. Resulting damage is difficult to repair and not covered under manufacturer's warranty.

Electric Air Pumps

Inflate boat using electric pumps, like Sea Eagle's Mega or Handy pumps, which are intended for use with inflatable boats and SUPs that are constructed of reinforced PVC. Pump should have automatic shut off. The hose must accommodate a "recessed" or Halkey-Roberts-type valve adapter. Typically these adapters are hook-in style, and have a choice of flexible gaskets to prevent air from leaking between the valve and adapter. Bravo pumps require a black or red gasket. Most other manufacturer's adapters come with a choice of milky white gaskets, the thinnest work best with Sea Eagle valves.



DANGER: Chamber failure with explosive force may result if air compressors designed for construction, tire inflation or work shop tool use is used to inflate an inflatable watercraft. Serious bodily injury could result. Only use air pumps designed for inflatable boats and SUPs.





Remove Valve Cap

RazorLite has a floor chamber and top chamber, with one valve each. Twist cap counterclockwise and pull it out of valve body.



Using Recessed Valve

Press the stem button down and turn it ¼ turn in either direction so it pops UP when released. When the stem is up, the valve is closed for inflation and will hold air.

To let air escape for deflation, press button and turn stem ¼ turn and release it. It should stay in the downward position.



Switch Modes

Begin inflating in the double action mode for a faster fill. Air flows into chamber on the up and down strokes. The modes are indicated on the collar in raised lettering. Use the lever to switch between modes.

When handle becomes too difficult to lift in double action mode, rotate lever counterclockwise to single action.



Insert the adapter into the valve and turn clockwise until seated. The adapter locks in place for hands-free operation.

If the adapter will not lock in place, see the trouble shooting section on page 12. The rubber gasket can be exchanged if needed. The black gasket is thinner and can be easier to use than the red gasket, but is designed for low pressure inflatables.

RazorLite™ Kayaks | **ASSEMBLY & INFLATION**



Double Action Hand Pump

Hand pump inflates on up and down strokes when in the double action mode. In single action mode the handle comes up easily. The down stroke is assisted by body weight.

Note: If your pump is different than this one, check the instructions page of our website for instructions, or call us for help.

Tip: Always have the manual pump available, even if you primarily use an electric pump.



Attach a Hose

To inflate the boat, attach the hose with hook-in adapter to pump handle by twisting the collar into the threaded opening until hose is tight (about 1/8 turn).



Lay Out Boat

Locate an area large enough to unfold the RazorLite avoiding hazards that could damage the kayak or injure you.

Caution: Do not drag or scuff folded kayak on abrasive surface such as asphalt or cement. Damage including holes could be made into the folded fabric.



Inflate

The chambers can be inflated in any order. The working pressure is between 5 and 10 psi. Do not exceed 10 psi.



Reading Gauge

The PSI readings are on the inner side of the gauge. Each line represents 2 psi. The photo shows just less than 10 psi.



Lock the bar in place by rotating the handle down into the locking hook.



When done, replace valve caps. The caps are part of a complete seal.



Skeg

Remove Skeg Base Insert. Stow the Insert in the seatback pocket for safe storage.



FlexBrace

Locate the right (R) and left (L) pedals and aluminum bars.



Flip boat over and slide skeg into skeg base. Skeg must go in far enough for locking clip groove to line up with slot in the skeg.



Run bar through its hole in FlexBrace pedal, then through the pedal and into the end cap.



Push clip into base until it clicks into place. If the skeg does not slide in, do not force it. Refer to the easy fix on page 12.



Tall Back Seat (TBS)

The TBS is made of thermal molded foam. Featuring a storage pouch on the back with built in zipper, the TBS provides great lumbar support with an 18" high back rest.



Use the seat straps to clip each strap to the D-rings. The upper straps attach to the forward D-rings.



TIP: When getting in the kayak, place your weight on the seat pad and try not to knock back the upright backrest pad. Arch your lower back forward and avoid leaning high on the back of the seat. You will feel the seat support your lumbar region.

Hold Down Loops



Gear Hold Down Daisy Chains

Web loops for holding gear in place are located forward of the FlexBraces and aft of the seat.



Gear Hold Down Loops

Straps or elastic cord with hooks will be needed for use with the loops. Keep heavier gear low in the boat, and keep all gear as low as possible to minimize wind resistance and to avoid making the boat top heavy, which can make the kayak unstable and prone to tipping over.



Drain Cover

Water Drains

The two water drains on the Razor Lites are designed to empty accumulated water from the kayak, especially when it's too heavy to lift due to excess water (for example, after a rain storm). They should not be used while on the water.



Drain Open

Unscrew the drain cover when draining is needed. Tip the kayak up as necessary for water to flow through the drains.



Kayak Paddle

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



The AB40 paddle, top, includes a right blade, a left blade, 2 drip guards and 2 shaft pieces.



The AB50 Pro Carbon Paddle, bottom, includes 2 drip guards and a right and left blade/shaft. This paddle breaks down into 2 pieces.



Assembly for both paddles is the similar. The 4-part AB40 is shown.

Begin by connecting the two halves of the shaft together by inserting the push pin on the end of one shaft into the end of the other shaft that has the three feathering holes.



Drip Guard

Next, slide the drip guard up the shaft to about an inch above the button hole. Insert the blade into the shaft and adjust until the button locks the blade in place. Repeat for the other side.



TIP: One shaft section has holes for feathering. By feathering the paddle, the blades are offset from each other so that when one blade is in the water, the other is at an angle to slice through the wind with little resistance.

Folding 393 and 473

Remove seat and FlexBrace pedals. Pedals have clips on back side for securing bars to pedal for stowing. Flip boat over, remove skeg clip and slide skeg out of the base. While the boat is upside down, dump out accumulated water. Lift one end to get water to flow to other end. Put boat down and lift the other end as high as possible. Allow water to drain out.



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.



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



393rl Folding

Push sides inward over the floor.

Starting at the rear of the 393rl, make a crease at the 393RazorLite logo and fold the section over. Push the nose to one side.

Folding the 473, see instructions next page.

Skeg Base Insert



Slide the Skeg Base Insert into base. The insert will help prevent skeg base from becoming warped while the boat is stowed.



At the front of the boat, make a crease in the middle of the SeaEagle.com logo and fold it back and push the bow off center to the side opposite of the back fold.



When the bow and stern are folded there will be a gap between them. Note that the ends are pushed over to opposite sides.



Pick up one end and fold it on top of the other. Keep front and back ends on opposite sides so they lay next to each other when done.

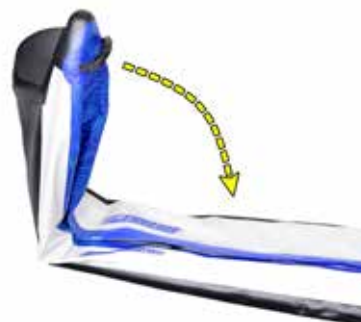


Wrap folded boat with the strap. Slide wider end into the bag. Place seat, paddle and skeg into bag with boat. Place FlexBrace pedals in pocket. Strap pump to side of bag. It's a tight fit.



473rl Folding

Open valves to let air out and push sides inward over the floor.



Make a crease at the SeaEagle.com logo and fold towards the back of the kayak.



Push down while folding and twisting the front end. Use your arms and knee to press everything flat.



Make a second fold towards the rear. Push air out of boat by using your arms and knee to press everything flat.



Go to the back end of the kayak and make a crease at the floor air valve.



Fold and twist the back of the boat to lay flat.



Make another fold towards the front and push down on the front folds to make everything flat.



Pull the top fold until the top fold lines up with the bottom fold.



Use your weight to push air out of the kayak.



Wrap the folded boat towards the front end with the strap



Place the wide end into the bag first. Load the bag with seats, paddles and the skeg. Pedals can be stowed in front pocket. It's a tight fit.

Dry after each use to avoid mold. **While washing or rinsing: close the valve and twist the cap on so water cannot not 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.

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.

RazorLite™ Kayaks | **TROUBLE SHOOTING**

Skeg Base

If the skeg base is bent from storage or use, heat it up with a hair dryer and bend it back into shape. It will hold it's shape after it cools. If not folded properly, the base can get warped in storage. Never hammer the skeg into a warped base as it will break the base



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.



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.

Flushing Gravel from RazorLite

Gravel sometimes gets into a kayak, and because of the RazorLite's construction, it can get stuck in the inaccessible channel between the sides and floor chamber. To flush the channel, use a spray nozzle on a garden hose. The best nozzle for the job is the old-fashion twist-style.

1. **Position the boat:** Tilt the boat with the front (bow) lower than the back (stern).
2. **Inflate:** Inflate only the side chambers. Close the floor valve so water cannot get into the chamber.
3. **Insert hose:** Open the nozzle and adjust it for maximum jetting. Insert nozzle it into the space between the side chamber and the floor.
4. **Flush:** Turn on the water and flush out the gravel.

RazorLite™ Kayaks | TROUBLE SHOOTING

5. **Drain:** Once finished, flip the boat over and raise the bow to allow water and gravel to drain from the skirt.
6. **Remove stuck gravel:** Inspect the black fabric that joins the floor and sides for lumps or bumps that indicate there is gravel remaining. Use a fingernail to push gravel and dislodge it into the gap for flushing.
7. **Repeat if necessary:** For persistent stones lodged near the floor, inflate the floor, deflate the side chambers, and repeat the flushing process.

Deflation

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.

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 full pressure. 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.



RazorLite™ Kayaks | 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

RazorLite™ Kayaks | REPAIRS

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

All Sea Eagles come standard with a repair kit which includes PVC patches and PVC glue. Repair kits also include a valve tool.



PVC Based Glue

To patch your Sea Eagle, use an adhesive for PVC boats. Plumber's cement, epoxy, Flex Seal, waterproofing 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.



For immediate use allow 30 minutes to dry and then inflate the compartment only 3/4 full and if necessary make a more permanent repair later.





Patching

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



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.



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.



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.



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.

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 ½" 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.



Bixpy®K-1 Motor (OPTIONAL)

33 lb. thrust electric motor attaches to skeg base. Includes motor, lithium-ion battery, wristband remote control, magnetic kill switch, and wall charger.



Personal Flotation Devices (OPTIONAL)

U.S.C.G. approved life jackets, paddling vest, PFD Belts available in various sizes.



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!



Sea Eagle Mega Pump

Sea Eagle Mega Pump with internal battery is recommended. Use hook-in style adapter with thinnest gasket. Hold power button until display lights up. Set pressure to not more than psi. Press power button to start. Pump turns off automatically.



Sea Eagle Handy Pump

The Sea Eagle Handy digital pump is a two stage electric air pump that is powered through a 12v accessory socket. Use hook-in style valve adapter with thinnest gasket. Hold power button until display lights up (3 sec). Set pressure to working pressure. Press power button to start. Pump turns off automatically.



EZ Cart Small (OPTIONAL)

Transport your kayak 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, 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.