

SEA EAGLE.com[®]



Sea Eagle SailCat

14SC

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
1-800-748-8066

Aug 2012

Sea Eagle Guarantee

Congratulations on purchasing a Sea Eagle! We're confident that you'll love our Sea Eagle products.

We have over 40 years of experience in designing and selling quality inflatable boats and we proudly stand behind them with a 3-year warranty against manufacturing defects from bow to stern.



Warranty

Sea Eagle products are covered for three years against any manufacturing defect. Should any part become defective it can be returned for repair or replacement at no charge.

The warranty begins the date that the product is delivered and does not apply to motors, battery chargers, steering console system and products manufactured by Minn Kota and Torqeedo as these products come with their own manufacturer's warranty.

Decals, Stickers & Registration

Some states require you to register your Sea Eagle, however most states only require you to register if you install a motor. Upon registration it may be required that you have your Manufacturer's Statement of Origin documentation which we have provided for you. Some states may require a Bill of Sale which is also provided by Sea Eagle. If you purchased directly from an authorized dealer or reseller and did not receive a Manufacturer's Statement of Origin you will need to contact that dealer or reseller directly. Also at the time of registration it is possible that you will be charged your own state sales tax on your Sea Eagle if you did not previously pay sales tax at the time of purchase.

Once your boat is registered you may be required to apply a registration decal, number or sticker to your boat. We do not recommend the use of decals and stickers as once applied they tend to crack and peel over time with inflation and deflation of your Sea Eagle. We suggest they be applied to a small piece of hard plastic or marine plywood and hanging it from the boat (like a license plate of sorts) is our strong recommendation. You can also apply your registration numbers using either a PVC based paint or permanent marker.

Safety



In a manual of this type it is impossible to give adequate space to the topic of water safety. We strongly suggest, however, that you enroll in one of the excellent water safety courses offered by the Power Squadron or US Coast Guard Auxiliary in your area, for more info visit www.uscgboating.org.

It is your responsibility to be aware of and to comply with all relevant safety regulations. For all water sport and recreation you should have a reasonable swimming ability. Just as swimmers have a cardinal rule about not swimming alone, it is advised that you should never go boating alone.

The next point to consider is having a personal flotation device (PFD). Not only is it the law, but from our point of view, it is just plain foolish not to have PFD's for everyone aboard. You must use U.S. Coast Guard approved PFD's. The type of water conditions you are going in should determine which is safer for you. Depending on the circumstance and the type of boating you enjoy, you should consider other safety measures (i.e. if you're white water rafting, it might be wise to wear a wet suit, gloves, and a protective helmet).

Return Policy

Call to obtain a Return Authorization Number (RA#).

The RA# must be clearly printed on the outside of each box or printed on the shipping label. Sea Eagle will refuse delivery on all packages without a valid RA#.

Attach a copy of the packing list (included with your order) to this form. Merchandise being returned from outside the U.S.A must accompany a detailed packing list and a valid commercial invoice clearly bearing the following declaration:
"Items being returned to the Manufacturer for Return (or Replacement)"

The Sea Eagle On-Water Trial and 3-Year Warranty begins on the date you receive your merchandise.

Purchase insurance from the shipping carrier for all merchandise being returned. Sea Eagle will not be responsible for loss or damage to returned merchandise during transit.

Shipping charges are not refundable. The customer is responsible for return shipping expenses unless Sea Eagle determines the item is defective.

If Sea Eagle determines that items are defective, Sea Eagle will reimburse standard return shipping charges only through UPS, FedEx or the U.S. Post Office at published shipping rates. If you use a retail shipping outlet such as The UPS Store to ship your product, you will be responsible for all packing and handling charges. Sea Eagle will not reimburse packing or handling charges.

Sea Eagle will not be responsible for any import duty and/or local taxes that might be applicable on replacements sent to foreign customers.

All merchandise sent to us for exchange or refund must be clean, dry, and in good working condition overall. A cleaning charge of \$25 will be incurred (or deducted from your refund amount) if merchandise is returned dirty. This includes markings including registration numbers.

Unless required by law, any sort of permanent marking on boat hulls (or accessories) like registration numbers etc. will void the return policy. Boats returned in damaged or dirty condition will be refused or charged a restocking fee at Sea Eagle's discretion.

Please call your shipping carrier to report merchandise damaged during shipping. 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. If necessary, Sea Eagle will arrange repair or replacement of damaged merchandise.

Please note we allow up to 30 business days from the date we receive your returned merchandise to issue a credit/refund.

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 9-5 (EST).

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Operating Your Sea Eagle



Sailing

The limited space of this instruction manual does not allow us to cover all the fine points of sailing. We highly recommend purchasing any of the following manuals on sailing. The Handbook of Sailing by Bob Bond, Catamaran Sailing by Phil Berman & Sailing for Dummies by J.J. & Peter Isler.



CAUTION/WARNING!

AVOID POWER LINES! The mast on your SailCat is not insulated and could act as an electrical conductor. Be careful not to install the mast near power lines and make sure you are clear of them in any location (parking lot, backyard, launching point, etc) and especially while you're on the water.

Gas Motors

The SailCat can take up to a 45 lb., 3HP gas motor and we recommend using a 15" short shaft. You should never exceed the weight limit or the horse power, even if one of them is within the restriction listed for the boat. Sea Eagle does not sell gas motors.



Minn Kota Electric Motors

The SailCat can take up to a 74 lb. thrust electric motor and is easily powered by motors as low as 30 lb. thrust. A 12v deep cycle marine battery is needed to power these motors. Although we do not sell the batteries for these motors we do sell both the Minn Kota Portable Battery Charger & Battery Power Center, both of which are highly recommended.



Torqeedo 3001L

The Torqeedo 3001L delivers the true thrust of a 3HP gas engine and includes a Lithium-ion Manganese battery and charger for easy transport and convenience. The 3001L is compatible with the SailCat and features an on board digital display and GPS. Spare Batteries are sold separately.



All Minn Kota & Torqeedo products come with their own manufacturer's warranty and are not covered under the Sea Eagle Guarantee.

Packing List

All orders placed directly with Sea Eagle come with a picking ticket that lists all of the items shipped with your order. We HIGHLY RECOMMEND that you inspect all packages that you receive to ensure that everything has arrived in good fashion.

If any item is received damaged, please contact the shipping carrier so that it can be inspected. Once the inspection is complete the shipping carrier will notify Sea Eagle. If necessary we will arrange repair or replacement of damaged merchandise. Do not return damaged merchandise until it has been inspected by the carrier.

For orders placed with an authorized dealer or resellers it is advised to contact that dealer or reseller directly if there is any discrepancy with your order.

Inflation Valves & Pumps

Recessed One-Way Valves

Remove the valve cap to reveal the valve stem. Press and turn counterclockwise so that the stem is in the UP position. When the stem is in the up position the valve will retain air, to release air press the stem down and turn clockwise.



A-41 Foot Pump

The A-41 Foot Pump which is a high capacity foot pump made of durable ABS plastic. Simply connect the hose to the inflation port marked OUT.



Recessed Valve Adapter

The recessed valve adapter is located inside of the orange repair kit canister. Insert the ribbed end of the valve adapter into the hose on the foot pump. This valve adapter is not intended for use with electric pumps.



Make sure that the valve stem is in the up position. Insert the valve adapter into the valve and turn clockwise to lock into position. Once the desired pressure is reached you should feel strong resistance on the foot pump.



MB-100 Electric Pump (Optional)

Designed specifically for our higher pressure Sea Eagles. Comes complete with 12v DC power supply, hose and a various attachments.





Included are a cluster of seven valve adapters. Raised numbers are located on each arm of the cluster. The only adapter needed for your Sea Eagle is adapter number 1.



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.



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.



Turbo Electric Pump (Optional)

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



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.



Included are a cluster of seven valve adapters. Raised numbers are located on each arm of the cluster. The only adapter needed for your Sea Eagle is adapter number 1.



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



Remove adapter number 1 and push it firmly into the joint (grey tube) that is already connected to the end of the hose.

The gray tube must be pushed past the raised ring inside the adapter. Strike it against a hard surface like a floor or table until you feel it click. Wetting the adapter with water will help it slide easier.



Once the joint is attached to the hose, push into the inflation port. Directly located above the pressure dial the inflation port can easily be identified by the raised arrows on the red pump cover which point to it.



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



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



Adjust the pressure dial to 3.2 PSI which is the operating pressure for your Sea Eagle. PSI is marked in red on the dial.

NOTE: When the device is under pressure, never turn the dial on the manometer counter-clockwise as this would immediately cause the instrument to break.



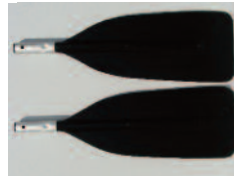
Connect the power supply to a 12V battery (car or marine battery) using the alligator clips at the end of the extension cord. Connect the red to the positive pole and the black to the negative pole.



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



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.



Leeboards

The Sea Eagle SailCat is equipped with two leeboards which are used to reduce sideways drift or leeway. The attachment hardware for the leeboards consists of bolts with large plastic heads, rubber washer, steel washer and a large plastic wingnut.



If you ordered the kit for the Turbo Electric Pump you have the option of connecting the pump to the portable battery. Connect the cord at the end of the portable battery into the end of the cord attached to the pump.

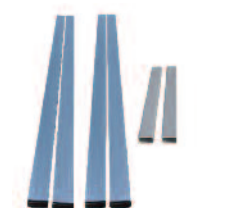


Leeboard Bracket

Leeboards are attached to the floorboards by means of a bracket. One bracket is required for each bench.



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.



Underbars & Underbar Sleeves

Four aluminum underbars and two aluminum underbar sleeves are used to add rigidity to the pontoons.



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



Mast Step Base

The mast step reinforcement base bolts to the front crossbench to stiffen the area where the mast connects to the crossbench. The reinforcement base measures approximately 35" x 8".



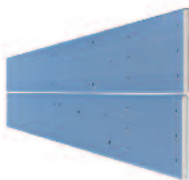
Press the ON button to begin inflation. The pump operates in two stages which can be identified by the noise of the turbine at the beginning followed by the piston. The pump will automatically stop once the set pressure is reached.



Mast Step

The Mast Step is an aluminum tube that the mast is inserted into. The mast step bolts to the front crossbench.

14 SailCat Parts



Cross Benches

The aluminum cross benches are approximately 79" long and 8" wide. They have four plastic hooks bolted underneath.



Mast

The Sea Eagle SailCat utilizes a three piece mast which is 18' tall. The sections sleeve together starting with the largest diameter section at the bottom.



Floorboards

The aluminum floorboards sit on top of the cross benches once they are installed on your SailCat. The floorboards can be identified by the gray fabric which is inserted into grooves in the aluminum bench. The floor is adjustable so that it can be installed squarely on the pontoons.



Rudder Oarlock (Rudlock)

The rudlock attaches to the rear crossbench and is used with the oar/rudder. Comes complete with rudlock, a white nylon ring, a 24" line, two bolts, two knurled nuts and two washers.



Oar Pin

The oar pin secures the steering oar to the rudderlock.



Oar/Rudder

Your SailCat comes with a 7' 10" two-piece oar which is used as a rudder for the SailCat. The rudder is what you can use to steer or change direction of the SailCat.



Sail

This 65 square foot Dacron high aspect sail by Neil Pryde has been designed for higher performance for use with our SailCat. Features include built-in strap and clip to secure the sail around the mast when not in use, "tell tales" for wind direction and sleeves for the mast and a batten.



Batten

The batten is a fiberglass rod with a white plastic loop at one end. The batten will give the sail shape.



Boom

The two-piece telescoping boom for the SailCat is easy to set up and store. The boom features a mast ring at one end and a sail cleat at the other. It also has eyebolts for attachment of the main sheet and downhaul line to secure the boom to the maststep.



Ropes & Mainsheet

The SailCat comes with a set of two 24" ropes for attaching the sail to the boom. Also included is a 56" rope (for boom/mast step) and a large white rope which is the mainsheet. A mainsheet is the line used to control the angle of the sail to the wind. Color of the ropes may change due to availability.



Brass Clips

Two brass clips are included for rigging the main sheet. The clips are pre-installed on the main sheet.

Assembly & Inflation

Tools

You will need two wrenches, either adjustable or metric, or a metric socket set.

Pre-Assembly:

Your 14SC has some items that are installed once and can remain in place when the boat is disassembled for storage. A work surface at a comfortable height is recommended.



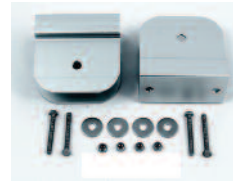
Mast Step Base

First, locate the mast step base and the mast step base hardware.

Align pre-drilled holes in the mast step base with the holes in the front crossbench.

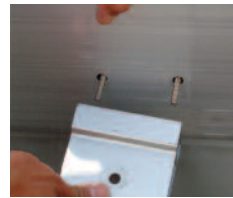


Use the mast step to align the two boards. Insert the bolts through the holes near the ends of the base. Each bolt gets two washers, one under the bolt head and one under the lock-nut. Use two wrenches to tighten the nuts onto the bolts. The bench is now ready to install on the pontoons.



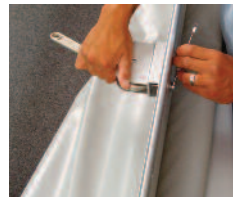
Leeboard Brackets

Locate the leeboard brackets (shown at left) and the floor with attached aluminum boards.



The brackets will mount on the underside of the floorboards. Pre-drilled mounting holes are located in the middle of the boards.

Insert the bolts with washers through the top of the floorboards and through the mounting bracket as shown.



Thread the nuts onto the bolts hand tight. Use one wrench to hold the nut and turn the bolt with the second wrench until tight. The bolt head size is 10mm. Do not apply too much force, the aluminum bench may dent if over-tightened.



Seat Mounts

Locate the seat mounts and hardware (four 2" flathead screws and wingnuts). Install one seat mount on each board. Install one at the rear position and one on the opposite side in the front position.



Oarpin

Locate the oar pin and the two-part steering oar which is in the box with the mast. Slide the oarpin onto the handle of the steering oar and tighten the wingnut. Not too tight, this will need adjustment when ready to sail.

Assembly



Begin assembly by locating a relatively flat, clean space to unpack the pontoons. Roll out both pontoons and lay them out so that the carry handles are facing each other and the Sea Eagle logo is pointing forward.



The location of the valve and the skeg is another way of identifying the front of each pontoon.

The valves go to the outboard side of the boat.



Next locate the two aluminum crossbenches that will connect the pontoons of the SailCat.

The front crossbench can be recognized by the four pre-drilled holes in the middle for the mast step.

The rear bench has holes for the rudderlock and motor mount at the back edge.



Tip: If the cross benches resist sliding onto their anchor beads on the pontoon, you can wet the beads with water. This will allow the plastic hooks slide easier.

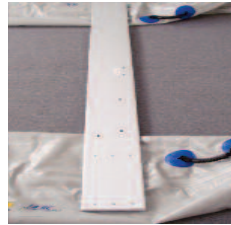


First, slide the front crossbench on the pontoons. Slide the plastic hooks attached to the bottom of the aluminum bench onto the "beads" on the pontoons as shown. The front cross bench does not have a forwards or backwards. The holes for the rudderlock must be at the back edge of the rear crossbench.



Center the crossbench on the seat beads. Repeat for the other pontoon making sure to center the seat beads so the pontoons are aligned.

Proper alignment will be important later when installing the floor.

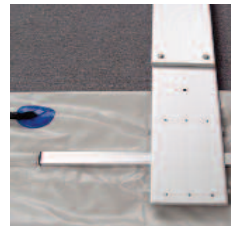


Install the rear crossbench with the holes for the rudder oarlock on the back edge. Align evenly on the seat beads.



Locate the underbars and underbar sleeves.

Insert the ends of the underbars under the aluminum crossbenches. Center the bars between the beads and have them meet in the middle of the pontoon.



Look for a seam on the pontoon just forward of the front crossbench. The forward bars should just touch the seam. It should look as shown here.



When the underbars are in place, insert the ends of the bars into the underbar sleeves.

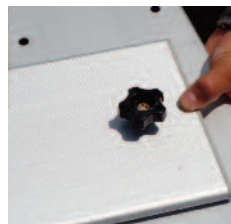
Center the sleeve in the middle of the pontoon.

Once the underbars and sleeves are in place, partially inflate the pontoons until they have shape but the underbars and benches can still be adjusted.

Instructions on inflating your Sea Eagle are detailed on page 2 of this manual under the heading *Inflation: Valves and Pumps*.

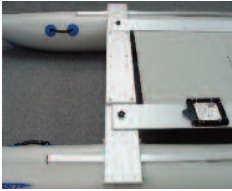


When the pontoons are partially inflated, place the floor on the crossbenches. If you did not pre-attach leeboard brackets and seat mounts, do so now.



Locate the floorboard hardware (2" hex head bolts, threaded black knobs and washers). Insert the bolt and washer up through the holes in the crossbench and floor bench.

Tip: Secure one floorboard before moving to the other side.



If the floor has a wrinkle or does not fit well, adjust the cross benches and/or slide the fabric in its grooves.

Make any final adjustments to the floor and underbars and inflate the pontoons to 100%

Note the even gap between floor and cross-board.



Next, locate the batten sleeve in the sail and insert the batten. The batten is a fiberglass rod with a white eyelet.



Next, insert the mast step in the front cross-bench.

When installing the mast step, the loop on the base should be facing towards the back of the boat



Slide the batten to the end of its pocket.

Using the attached cord, secure the batten in place.

Tip: A square knot works nicely here.



Locate the "rudlock".

Align the holes in the base of the rudlock over the pre-drilled holes in the center of the aft cross-bench

Tighten and secure the rudlock to the bench using the knurled nuts and a wrench if necessary.



Next, extend boom until the retaining pin pops up in its hole. The boom is approximately 90" long when extended for use on the Sail Cat.



Assemble the halves of the steering oar with the oarpin attached.

Remove the split ring from the oarpin. Insert the handle of the oar through the rope in the rudlock. Drop the pin into the hole in the rudlock.

Re-attach the split ring.



Lay the assembled boom over the mast step. The black cleat at the end of the boom must face upward.

The next step is to raise the mast.

The finished steering assembly will look like this.



Insert the mast through the mast ring and into the mast step.



Mast Assembly

Connect the three piece mast by sliding the sleeved sections together. The base section can be identified as the section with the largest diameter.

CAUTION: If raising the mast by yourself is beyond your physical means, get assistance to perform this step. Also be sure to stay clear from power lines as the mast is not insulated and could act as an electrical conductor. The mast is 18' long and may extend 20' above the waterline.



Unwrap the Neil Pryde sail and insert the mast into the sleeve.

Push the sail until it is stopped by the head cap at the top end of the mast.

Rigging the Sail



Once the mast is up, take one of the 24" ropes and run it through the grommet on the sail that is closest to the mast.



Hook the brass clip that is closest to the knot onto the rope that is tied to the rudlock.



Hook the other brass clip to the eyebolt on the boom.



Finish by taking the free end of the mainsheet and running it through the white nylon ring that is attached to the rudlock. This is where you will be holding the main sheet, so run all the slack through it and lay it neatly on the floor.

The photo below shows the finished rudlock with oarpin, steering oar and main sheet in use.



Then run the rope through the eyebolt on the underside of the boom and back through the grommet in the sail and tie it off with a simple knot such as a square knot.



Then take the 56" rope and tie one end to the eyebolt on the underside of the boom. A simple double half hitch knot or similar will do.



Tie the other end to the loop in the mast step using a double half hitch knot. Secure the rope to the loop on the mast step. Pull the rope tight before tying it off.

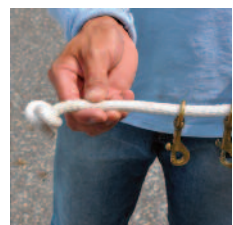


Next take the last piece of 24" rope and tie it to the grommet at the end of the sail.



Insert the free end of the rope through the cleat at the end of the boom. Pull the end of the rope taught and secure it through the cleat.

Lifting the boom upward will help get the rope taught



Mainsheet

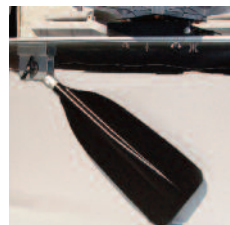
The mainsheet is the heavy rope with two brass clips and a knot in the end.



Slide the seats onto the seat mounts until they click in.

The seats swivel for comfortable positioning.

To remove the seat, pull up on the seat mount tongue and pull the seat towards the tongue.



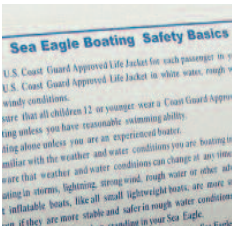
Slide the leeboards under the floor and secure with the large wingnut and bolt. The rubber washers go under the metal washers on the outside of the brackets.

The pontoon has been removed here to show how the leeboard is installed under the boat.



Finally, adjust the steering oar to a comfortable depth and tighten the wingnut. Cast off to your adventure!

Remember to lower the leeboards.



Plan ahead for an enjoyable trip. Bring proper and comfortable personal flotation devices, avoid going too far down wind and familiarize yourself with Sea Eagle's "Boating Safety Basics."

Boating Safety Basics are printed on the side of each Sea Eagle boat.



If you are keeping your boat inflated for a period of time, check the pontoons and add air if necessary before venturing out.

Deflation & Storage

To deflate your SailCat remove the valve cap and push the stem down and clockwise to lock into the open position.



Roll the pontoons from back to front to push air to exit through the valves (so long as the stem is still locked in the down position). The pontoons can be stored in the boat bag.



The aluminum components and batten will fit into the sail rig bag. The mast step, seats and rudlock, pump, etc., will fit into the carry bag.



Short-Term Storage

If you're storing your SailCat inflated you can roll up the sail on the mast to keep the sail from blowing around. Disconnect the end of sail from the boom and the main sheet. Fold the boom against the mast and wrap the sail around the mast so the strap is on the outside (as shown).



Once the sail is rolled up, insert the white strap through the center of the buckle and back down through the slot in the front edge of the buckle. Pull tight.



Troubleshooting

If your boat loses air it does not necessarily mean that it is leaking. A boat that is inflated late in the day in 90-degree air may cool 20-degrees overnight. The cooler air exerts less pressure on the hull and the boat appears soft the next morning. If there has been no variation in temperature then it is time to start looking for a leak.



Inspect

Before anything get a good look at your boat from just a few feet away. Flip it over and closely check over the outside. Large leaks may be clearly visible.



Listen

If you have a rough idea where your leak is, you may be able to hear air escaping and pinpoint the source.

You may even feel a jet of air on your skin. More than one leak has been found by walking around a boat in shorts!



Soapy Water Test

Fill a bucket with water and add 2-3 table-spoons of dishwashing liquid to the water. Use a hand towel or car wash sponge to spread the soapy water over the boat. Keep an open mind, check all areas, not just seams or valves. Look for foaming or bubble streams, but air rushing out may not produce bubbles, so listen for whistling or sputtering. Work in the shade and apply a lot of water.

Valve Check

Make sure that both the inner valve base and the outer body are firmly screwed together. If threads are crossed it may result in a slow leak. To avoid this, first turn the body back 1/4 turn. And check the inside of the valve for grains that may be blocking the airways or preventing the valve from working properly.



Skeg Straightening

If a skeg is bent (sometimes after being in storage), there is an easy solution to straightening it out.

Using a hair dryer, warm up the skeg until the it becomes soft. This may 2-3 minutes on high setting. Once the skeg is soft you can straighten it out by hand.





Place the inflatable keel protectors over the keel to maintain its shape while it cools. Store the boat with the protectors in place to prevent warping.



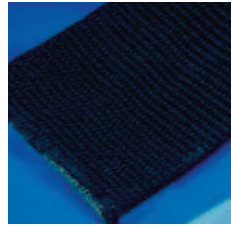
If it is necessary for you to replace the one-way recessed valve then we recommend the following tools and methods. Suggested tools include channel lock pliers, valve wrench (included with your repair kit) and piece of repair material (also found in the repair kit).

Repairs



Repair Kit

Through use your boat may get a leak. Sea Eagle provides a repair kit for this possibility. Your boat comes with an orange repair kit that includes two PVC patches, PVC-based glue and a valve wrench. Typically, the valve adapter is shipped in the container too.



The valves can be difficult to turn at first. To break the seal loose, inflate the chamber to full pressure and strike the valve wrench sharply with the palm of your hand. Turn it counter-clockwise. Deflate the chamber when it is loosened and unscrew the valve body from the base.

Small Repairs

Deflate your boat. Thoroughly clean and dry area to be repaired. For a small puncture like a pinhole leak, apply a small drop of glue. Let dry 12 hours. If you need to get on the water sooner, let dry 30 minutes and then inflate the boat, inflating the compartment with the repair only 3/4 full. Be sure to make a permanent repair later.



You may need to hold the base from turning. If a tool is needed, place a piece of repair material in the jaws of channel lock pliers to protect the hull material. This is especially true of new boats because the material is still quite soft. Once the valve body is unscrewed from the base, pull the valve body from the opening. The opening is very tight, so you may have to pull hard.

Patches

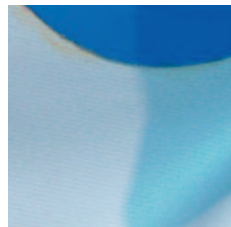
Leaks larger than a pinhole can be patched. Most patches can be done in a few minutes, but we do offer a repair service for more complex jobs. Our minimum repair fee is \$75, and you will be responsible for freight expenses to our facility in Port Jefferson and return freight to your destination.

Once you have located the leak (see Troubleshooting), thoroughly clean the area surrounding the leak. After the area is clean and dry you can circle the area to make locating the leak easier throughout the repair process.



Keep the base from falling away from the opening. If it falls inside you will be feeling around for it and pushing it back towards the opening. The new valve must be an exact duplicate of the existing, otherwise it may not fit tightly into the base.

Using a ball point pen, trace the outline of your patch which should be large enough to overlap the damaged area by approximately 1/2". Angle the pen inward a bit so that the ink will be covered by the patch later. For a puncture, use a patch the size of a penny. The larger the patch, the more difficult it is to get a good seal, so be conservative. Apply adhesive to the dull side of the patch and in the area to be covered. Coat the affected area lightly but completely with glue.



Insert the replacement valve and tighten by hand until secure hold the base through the fabric. Once the replacement valve is screwed in, inflate the chamber to full pressure and use the valve wrench to tighten the valve completely.

Allow the glue to dry to a haze, apply the patch and press down firmly. Do not press wet surfaces together, they will not adhere.

If available, a hair dryer is an excellent accessory for repairs. Apply the glue to both surfaces and heat them up with the hair dryer. While the glue is hot and sticky, apply the patch. Press until the glue gets tacky enough to hold on its own.

The glue will hold very firmly with in 24 hours, but full curing time is seven days. If the patch leaks, use the hair dryer to heat the area and press it down again. You can smooth the patch with a tool such as the handle of a utility knife or the handle of a screwdriver. The hair dryer can also be used to remove patches or other glued items.

Tips: Never cover a patch with a patch and never overlap a seam.



2 Part Adhesive

The adhesive that comes standard in your repair kit will work for installations, but for greater holding power we recommend Weaver's Two-part adhesive kit. Mix the necessary amount of adhesive and accelerator and apply 2 to 3 coats. Allow to dry to a haze (5-15 minutes depending on the ambient temperature), wipe both surfaces with a rag

soaked with MEK. Allow the MEK to evaporate (approximately 15 seconds) and apply the item to the boat. Smooth the patch and allow to cure a minimum of 24 hours, five days is recommended. The two-part adhesive provides the best bonding. It can also be heated with a hair dryer to smooth any wrinkles.



Valve Removal & Replacement

DO NOT remove a valve unless you are sure it is broken. Under most circumstances the valve will not leak and should outlast the boat. The base is built into the boat and cannot be replaced without cutting the chamber open.

TIPS: Make sure the surface is both clean and dry before adhesion. Do not use sandpaper on your Sea Eagle. Make sure the boat is deflated before repairing air leaks.

Any glued item can be removed by heating it with a hair dryer while pulling at the edge with pliers.

When working on your boat, allow enough time in your schedule to accomplish each phase of the work. Prop the boat up to a comfortable working height. Work in the shade, not in direct sunlight.

WARNING!

MEK is a very strong solvent and can cause damage to the material of the boat. Use it carefully and sparingly. Minimize your exposure. Use in a well ventilated area, wear neoprene gloves and for extended exposure, wear respiratory protection. MEK is very flammable, keep away from fire, lit cigarettes or sparks.

Care & Maintenance

Your Sea Eagle is very easy to care for and takes very little maintenance. The Sea Eagle can be stored either inflated or deflated, if you are leaving it outside it is recommended to raise it up off the ground and cover it with a tarp if it will be exposed to direct sunlight, leaves, berries or rain. When storing make sure to store in a cool dry place. PVC material can become brittle in cold temperatures. This will not harm the boat so long as it is not dropped or subjected to sudden impact. If you are storing in cold temperatures make sure to let the PVC material warm up before unfolding, unrolling or inflating your Sea Eagle. Extreme temperatures such as those found in attics can damage the integrity of the boat and should be avoided.



3M Marine Cleaner & 303 Protectant Spray
To prolong the life of your Sea Eagle boat we offer 3M Marine Cleaner and 303 Protectant spray for UV protection. Protectant should be used every 30-45 days to improve resistance to UV rays, chemicals and other types of harmful exposure.



Light Kit

Innovative Lighting bow and stern LED lights for night operation of your Sea Eagle transom boat. These lights are not intended to meet USCG regulations. Not for use on boats that can exceed speeds of 8 mph. Each light requires 4 AA batteries (not included).



Waterproof Bag

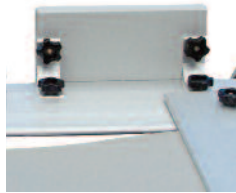
This 13 1/2" x 11" clear plastic waterproof bag will hold your camera, cell phone or any other small article you want to stay dry. Velcro closing and carry handle.



Kwik Patch

The Patch-N-Go Kirch's Kwik Patch will save you time and aggravation when you happen to get a puncture on the water. The clear patch gives excellent bonding within minutes of application so you can be on your way quickly.

Optional Accessories



Motor Mount

The motor mount for the SailCat comes complete with one wooden motor mount block, two aluminum L-brackets, four bolts, four washers and four knurled nuts. **Included in Ultimate Comfort Package.**



Boat Cushion

Our boat cushions makes a comfortable seat for everyday use, and is USCG certified as a throwable PFD for emergencies. **Included with SailCat Deluxe Package are two boat cushions.**



Swivel Seat & Release-A-Seat Mount

This comfortable swivel seat can be attached to the SailCat using the release-a-seat mount. The swivel seat is made out of durable plastic and can be folded down for easy storage and transport.

Your SailCat will hold four seats.



Seat mounts make a snap of installing and removing seats.

