

PART NUMBER B01600

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# SEAID™ LIFEBOUOY

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AUTOMATIC THROWABLE

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OWNER'S MANUAL

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# Instructions for the use, care and maintenance of your SEAID™

The SEAID, Automatic Inflatable Throwable Buoyancy Aid, has been manufactured to the highest quality and standards possible to ensure long, reliable performance. The horseshoe device provides 25 lbs. of buoyancy upon immersion in water.

SEAID requires periodic maintenance to insure proper function under emergency conditions. The device is operated by a water-activated inflation valve system coupled to a disposable CO<sub>2</sub> cylinder. The water-activated inflation valve incorporates a special water soluble "bobbin" assembly which, when immersed in water, rapidly breaks down and releases a series of fingers. The fingers then release a high load spring which has been held under tension. The releasing of the spring pushes a pierce pin into the CO<sub>2</sub> cylinder causing rapid inflation of the horseshoe (2 to 5 seconds).

## Maintenance requirements

The water soluble bobbin is subject to both temperature fluxuations and humidity over time that may result in premature inflation. The CO<sub>2</sub> cylinder is fabricated from mild steel and is further zinc plated to reduce rusting. It should be noted that, commencing October 1990, Survival Technologies further improved the CO<sub>2</sub> cylinders by double-coating the cylinders with a special acrylic paint to further inhibit rusting and corrosion. We suggest the following maintenance requirements for all SEAID units.

### 6 TO 9 month procedure

1. Replace the water soluble bobbin every 9 months under average use. Replace the bobbin every 6 months under severe conditions of temperature extremes or continuous high humidity. You will need a Maintenance Kit (Part # B01630). 2. During the replacement of the bobbin observe the conditions of the CO<sub>2</sub> cylinder and replace the cylinder should excessive rusting occur.

### 12 TO 18 months procedure

3. Every 12 to 18 months remove the horseshoe from its' canister and inflate the horseshoe via the oral valve. Let it stand for 2 hours to insure the inflation integrity.

### 24 TO 36 months procedure

Remove the cylinder from the valve body and weigh the unit on a gram scale. If the cylinder weighs less than 3.19 ounces it should be replaced. Survival Technologies recommends that your SEAID be factory inspected every two years. If you have any questions do not hesitate to call us Toll Free at the number on the back of this folder.



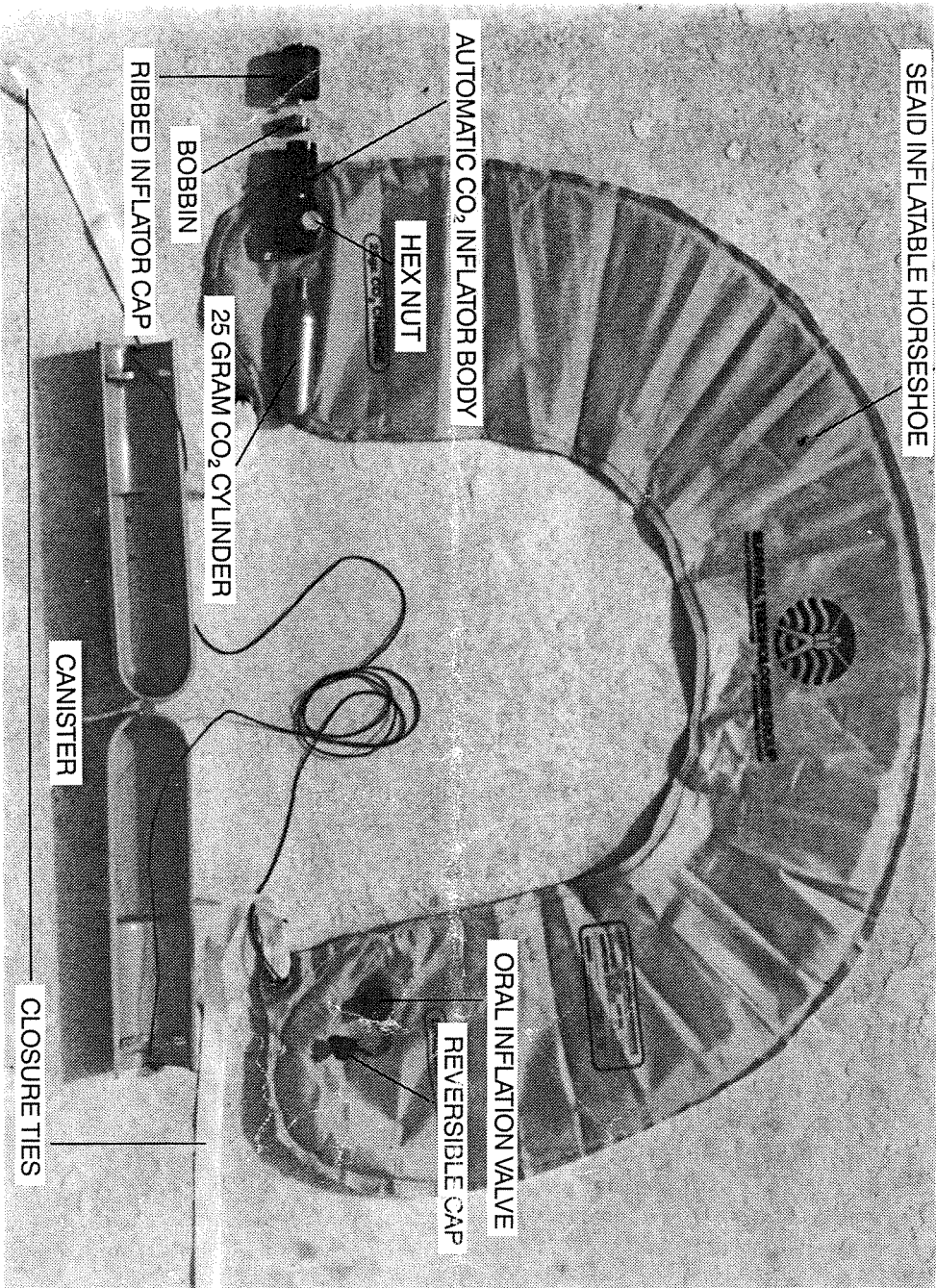
### **In-the-water use**

Simply remove the yellow canister from the bracket and throw directly towards the person in the water. SEAID automatically inflates in seconds after immersion in water. In tests we have seen the SEAID accurately be thrown over 35 yards. For those of us who may not throw like major league pitcher, it is suggested the SEAID be tossed under-handed. After inflation, the horseshoe is prevented from being blown away by a bridle tether to the two halves of the canister which behaves like a sea anchor.

The person in the water should grab the horseshoe and place it around the chest. The closure straps should then be secured. Try not to expend more energy than is necessary while waiting for rescue.

### **Installation (bracket model only)**

SEAID comes with two brackets, nuts and bolts for attachment to a 1" diameter rail, or, you may bolt the bracket directly to a bulkhead. SEAID should be located somewhere in or near the cockpit for easy access. However, try to find a spot that will be reasonably protected from direct submersion, excessive spray and excessive sunlight.



SEAID INFLATABLE HORSESHOE

AUTOMATIC CO<sub>2</sub> INFLATOR BODY

HEX NUT

BOBBIN

25 GRAM CO<sub>2</sub> CYLINDER

RIBBED INFLATOR CAP

CANISTER

CLOSURE TIES

ORAL INFLATION VALVE

REVERSIBLE CAP

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