



# OWNER'S MANUAL

## TRITON

### #497

#### WARNINGS & CAUTIONS

The products offered for sale by LSC are of a rescue and survival equipment nature. Inherent to all rescue and survival environments is an increased risk of injury and/or possible death to an individual or group of individuals. The equipment offered by LSC is intended to aid the professional rescuer(s) and/or survival victim(s). However, the risk of injury or death cannot be completely eliminated or foreseen. Equipment training, including continued proficiency reviews and maintenance, is vital to the proper and safe use of all rescue and survival equipment. It is the responsibility of the purchasing and end-user organization or individual to:

- Determine the suitability of equipment for the selected application,
- Define the operational procedures and safety guidelines associated with the proper utilization, maintenance (including service life) and storage of the rescue and survival equipment. All individuals must be thoroughly trained and familiarized with the intended purpose, correct use and function of the equipment. Failure to do so may result in serious injury or death.

**Use only 31-gram CO2 cylinders** (LSC #480) or equal. Inspect the seal on the threaded end of the cylinders prior to installation. Discard any cylinder showing any sign of puncture. Ensure that the CO2 inflation valve lever arm is in the up (armed) position prior to cylinder installation. Check for proper routing of the CO2 inflation lanyard.

- The TRITON vest **must be visually inspected prior to use** and functionally tested per inspection procedures.
- **DO NOT** allow the vest or harness to become excessively soiled. Rinse with fresh tap water after exposure to salt or chlorinated water. **DO NOT** enter the water from excessive heights with the bladder inflated. This could cause personal injury and/or damage to the vest.
- **DO NOT** use CO2 inflation on a vest that is fully or partially inflated as Overpressure may occur and damage the vest.
- **DO NOT** inflate the bladder while below deck on a vessel or in the cabin of an aircraft. The additional buoyancy and bulk can restrict egress.

#### USING YOUR TRITON HARNESS & VEST

Position the TRITON with the front up. Open the chest and leg buckles, remove v-ring/lifting strap from stowage pocket, and fully extend the waist and shoulder straps. Hold the vest open behind you with both hands. Step through the waist strap with one foot then the other. Pull the vest and harness into position. Put your arms through the shoulder straps. Secure the chest buckle and adjust the shoulder and waist straps. Close the zipper on the flotation vest and adjust the chest strap for a comfortable fit. Re-stow the v-ring and lifting strap in the correct stowage pocket. Secure the leg buckles & adjust leg straps as required. It is normally more comfortable to leave the leg straps slightly loose.

To inflate the vest, pull down rapidly on the beaded inflation lanyard. This action punctures the CO2 cylinder. The released gas immediately inflates the bladder. The cylinder will require replacement after inflation.

Should a bladder not fully inflate or if only partial inflation is needed, remove the oral tube from the cover & blow air into the bladder.

**Never** use the CO2 inflation to inflate a vest already inflated or partially inflated. Doing so will over pressurize the vest and cause damage.

#### FACTORY SUPPORT

Contact LSC for inspections and services, LSC will inspect and test your inflatable vest, LSC service #000-IS31.

#### REPLACEMENT PARTS

#497-VO	Orange Inflatable Vest	#497-HM	Harness, Medium, 64"-69" in height
#497-VOCG	Orange Inflatable Vest w/USCG Markings	#497-HL	Harness, Large, 68"-73" in height
#480	CO2 Cylinder, 31 Grams	#497-HXL	Harness, X-Large, 72"-78" in height
#484-S	Cylinder Seat Gasket, 1/2"	#497-HXX	Harness, XX-Large, 74"-80" in height
#479	Gasket Set, CO2 Inflator Installation	#576-3	SEA Holster w/Belt, USCG Version
#H089	8-32 Thin Lock Nut (Vest attachment to harness)	#H090	8-32 Fan Head Truss Screw (Vest attachment to harness)

#### WARRANTY

LSC products are warranted to the first consumer purchaser to be free from defects in material or workmanship for a period of twelve (12) months. Please contact LSC for our complete Warranty information and Policies, or visit our website.

#### LIFESAVING SYSTEMS CORP.

220 ELSBERRY RD.  
 APOLLO BEACH, FL 33572  
 PHONE: 813/645-2748  
 FAX: 813/645-2768  
 www.lifesavingsystems.com

#### NOTE

Before placing in service, and thereafter once a year, LSC strongly recommends an in-water functional test of the vest to familiarize the user with the flotation characteristics and to ensure proper functioning of the CO2 inflation mechanism. The test should be performed in the shallow end of a pool by actuating the CO2 inflation lanyard.

#### INSPECTIONS

While LSC has designed and manufactured the inflatable to be as reliable as possible, periodic testing and inspection are necessary to ensure functional reliability. The frequency of the inspection should be determined by the frequency and condition of use. However, the inspection shall not exceed six (6) months. Record inspections on appropriate inspection card or log book.

#### VISUAL INSPECTION

Prior to each use, inspect the entire vest, harness and components for excessive wear including cuts, tears, abrasion, frayed webbing, and broken or loose threads. Check all hardware including buckles, v-ring, adjusters and hook for proper function and inspect for damage, deformation or sharp edges. Apply a thin protective coat of a light lubricant, such as WD-40 to buckles and Talon II hardware. Inspect pockets and all equipment (ex. knife) for proper storage and security.

Remove the CO2 cylinder and check the bottom for pin punctures in the seal of the cylinder. Discard the CO2 cylinder if punctured. Ensure that the inflator lever is in the up (armed) position and install a fully charged cylinder (1/4 turn after seal contact).

Remove from service any vest or harness showing any indication of damage. The vest or harness assembly may be replaced separately. Any vest or harness deemed unserviceable shall be destroyed.

#### FUNCTIONAL INSPECTION

1. Ensure vest is fully deflated before proceeding to step #2.
2. Pull beaded lanyard to inflate the bladder. Both sides of the vest should fully deploy. Deflate the vest by depressing the oral inflation tube valve and vacuuming or squeezing out the CO2.
3. Inflate the vest through the oral tube with a low-pressure air source (**2 psi max**) or by oral inflation. **CAUTION: DO NOT OVER INFLATE.** Damage to the bladder will result from overpressure. After four (4) hours, recheck the bladder for pressure. If the bladder has lost pressure recheck for leaks and replace the vest if required. Deflate the vest.
4. After deflation, stow the oral tube valve. Reinstall a charged CO2 cylinder, fold in the side panels, and secure plastic snaps.

#### LEAK INSPECTION

Complete steps 3 and 4 as above.

#### SERVICE LIFE

On condition and passing of inspections. However, not to exceed ten (10) years from date of manufacture.