



OWNER'S MANUAL

Low Profile Flotation Collar (LPFC) ver. 2.0

#740 (65+lbs Buoyancy)

WARNINGS & CAUTIONS

The Low Profile Flotation Collar is intended to be used by military and professional pilots and aircrew members. The collar must be integrated with a compatible vest/harness carrier assembly such as LSC's #745 series Professional Air Crew Harness and Vest.

When orally inflated, do not function the CO₂ inflation system. Prior oral inflation and subsequent CO₂ inflation will cause damaging high pressure in the bladder.

Use only 33 gram CO₂ cylinders (LSC #484) 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 arms are in the up (armed) position prior to cylinder installation. Check for proper routing of the CO₂ inflation lanyard.

The flotation collar must be visually inspected prior to use and functional tested per inspection procedures.

Do not allow the collar to become excessively soiled. Rinse the vest after exposure to salt or chlorinated water with fresh tap water and allow to completely air dry away from direct exposure to sunlight.

Do not enter the water from excessive heights with the bladder inflated. This could cause personal injury and/or damage to the flotation collar.

Do not inflate the bladder while below deck on a vessel or in the cabin of an aircraft. The additional buoyancy and bulk could restrict your egress.

DESCRIPTION

The #740 Low Profile Flotation Collar provides approx. 65 lbs of buoyancy in a compact and lightweight case. The portion of the collar that lies across the shoulders is only 1/4" thick, eliminating interference with helmets. Dual chamber bladder ensures redundancy and allows for full buoyancy recovery should one chamber fail. Bladder is protected by a Nomex fabric case. Manual inflation requires two (2) 33-gram CO₂ cylinders. Both cylinders are actuated by a single pull of the inflation lanyard. Flotation collar requires a compatible carrier assembly, such as LSC's #745 series Professional Pilot and Crew Vest/Harness.

USING YOUR #740 LPFC

Mount the flotation collar to a compatible vest/harness using the four (4) mini-buckles. Attach the mini-buckles to the mating hardware on the vest/harness. All buckles are located on the underside of the collar. Ensure proper orientation of the collar when mounting. When complete, don and adjust the vest/harness according to the manufacturer's instructions.

* Before packing the vest check the CO₂ cylinders to ensure that they have not been punctured.

* Ensure the lanyard is properly attached. See separate repack instructions.

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

Should the bladder not fully inflate, open the remaining portion of the case and pull out the bladder to be inflated orally. To open a partially closed case, start from the back collar and manually release the snap fasteners; part the closure zipper located at the top center of the neck by sliding your fingers between the two zipper cords from top - down. Repeat for opposite side. Unpack the remaining portion of the bladder and locate the two oral tubes on the top of the right lobe of the bladder. Unlock one oral tube valve. Depress the end of the valve and blow air into the bladder. Either oral tube can be used for inflation. After inflation, lock the oral tube valve in the closed/sealed position. If the bladder will not inflate or does not retain air, try inflation using the second oral tube, which fills a separate chamber.

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. It is also recommended that the user practice removing the bladder from the case to access the oral tubes in the event of a failed or partial CO₂ inflation.

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 twelve (12) months. Record inspections by serial number in a logbook.

VISUAL INSPECTION

Thoroughly inspect the outer case, webbing, mini-buckles, closure zipper and front buckle for damage. Repair or replace the case as required. Open the case and unfold the stowed bladder. Remove the CO₂ cylinders and check the bottom for pin punctures in the seal of the cylinders. Discard the CO₂ cylinder if punctured and install new cylinders fully (1/4 turn after seal contact). Check the manual inflators for damage. Replace the indicator pins if broken or missing.

Ensure that the inflator levers are in the up (armed) position before installing new cylinders. Refer to the repack instructions.

FUNCTIONAL & LEAK INSPECTION

1. Pull beaded lanyard to inflate the bladder. Both sides of the bladder should fully deploy from the cover. Deflate the cell by depressing both oral inflation tube valves and vacuuming or squeezing the CO₂ out.
2. Inflate the bladder through the inboard oral tube (aft bladder chamber) with a low-pressure air source (2 psi max.) or by oral inflation. Depress the outboard oral tube valve to allow trapped air to escape. CAUTION: DO NOT OVER INFLATE. Bladder damage 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 bladder if required. Prior to deflation, depress the outboard tube to check for leakage past the internal bulkhead. Leakage of the internal bulkhead will require replacement. Deflate the bladder.
3. Inflate and leak test the bladder through the outboard oral tube using the same procedure as in step 2.
4. After deflation relock the oral tube valves. Reinstall charged CO₂ cylinders, refold the bladder and close the cover, refer to separate repack instructions.

LEAK INSPECTION

Complete steps 2, 3 & 4 as above.

FACTORY SUPPORT

Contact LSC for inspections and services, LSC will inspect and test your inflatable vest, LSC service #000-ID33.

REPLACEMENT PARTS

#740-01	ARAMID CASE (SPECIFY COLOR) *Optional Nylon Case Available	#740-02	INFLATABLE BLADDER, 65+lbs.
#740-03	CO2 DUAL INFLATOR ASSEMBLY	#479	GASKET SET, CO2 CYLINDER, EA.
#484	CO2 CYLINDER, 33 GRAMS, EA.	#HI014	NUT, CO2 STEM, EA.
#484-S	GASKET, ½" CYLINDER SEAT, EA.	#HI015	INDICATOR PIN RED, f/MANUAL INFLATORS, EA.

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.

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