



OWNER'S MANUAL

RESCUE SEAT

#420

NSN 4240-01-465-2302

WARNINGS & CAUTIONS

ALL personnel **must be** trained in the proper safe use of this item. Do not lower with both seats extended. Failure to follow detailed use instructions and or inspection requirements could result in serious injury or death.

The Rescue Seat must be visually inspected prior to use and functional tested per inspection procedures.

Do not allow the Rescue Seat to become excessively soiled. Rinse the Rescue Seat after exposure to salt or chlorinated water with fresh tap water.

DESCRIPTION

The Rescue Seat has been designed and engineered to withstand all conditions normally encountered in both the maritime and land rescue operations. LSC'S Rescue Seat is ideally suited for confined area rescues requiring a narrow profile, such as through tree canopies.

The Rescue Seat frame is constructed of TIG welded 304 stainless steel. All hardware is stainless steel for corrosion resistance. The Rescue Seat employs two fast acting, friction controlled seats that can be positioned for use in seconds. Both seats have a grip pattern molded into the seating area to prevent slippage.

The Rescue Seat is equipped with two adjustable safety straps stowed in zippered pockets for easy use and stowage. Flotation is constructed of closed cell foam. The cover is constructed of heavy duty urethane coated nylon sewn using nylon thread with lock stitch commercial grade sewing machines and has both written and pictorial instructions on two sides.

DIMENSIONS:

Folded the Rescue Seat is:
32" Tall x 9" Wide x 9" Thick

Rigged, with both seats extended the Rescue Seat is:
32" Tall x 26.25" Wide x 9" Thick

WEIGHT:

Rigged, with flotation for hoisting, the #420 weight is:
18 lbs

USING YOUR RESCUE SEAT

Prior to each use, the Rescue Seat should be checked for the following:

1. Inspect frame, fabric, webbing and hardware for wear, corrosion, deterioration, cuts, abrasions and broken or missing parts. Check each adjuster on safety straps for proper operation. Check safety strap attachment bolts for tightness. Repair or replace as necessary.
2. Check seats for proper operation and tension setting. Seats should operate smoothly and with approximately eight to twelve pounds of resistance.
3. Check locking levers for engagement with the seat bolt and lock nut. Check locking lever bolt for tightness. See figure 1.

WARNINGS & CAUTIONS

Do not connect Rescue Seat to small hook on double rescue hook. Do not lower with both seats extended as this could cause excessive rotation of seat and cause damage to cable. Hoist operator shall ensure Rescue Seat contacts water or ground prior to survivor / rescue swimmer touching to discharge static electricity. Failure to do so could result in serious injury or death.

Connect the Rescue Seat hoisting eye to the large hook on the double rescue hook on the helicopter's hoist or ship's J bar davit. Lower Rescue Seat to survivor / rescue swimmer. Do not lower with both seats extended.

Hoist operator shall ensure Rescue Seat contacts water or ground prior to survivor / rescue swimmer touching to discharge static electricity. After discharging static electricity position seat near survivor.

Survivor should pull down one seat and straddle. Do not straddle two seats. Have survivor put safety strap around back, connect and adjust. Survivor should wrap arms around rescue seat for hoisting. Ensure survivor is safely inside helicopter before disconnecting safety strap.

Attachment of an optional trail line, LSC P/N 220, to the Rescue Seat will aid in controlling seat movement during hoisting with helicopter if desired.

INSPECTIONS

While LSC has designed and manufactured the Rescue Seat 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 three (3) months.

VISUAL / OPERATIONAL INSPECTION

1. Inspect Rescue Seat for cleanliness. If soiled clean with mild soap and water. Thoroughly rinse and allow to completely dry.
2. Inspect Rescue Seat frame, fabric, webbing and hardware for wear, corrosion, deterioration, cuts, abrasions and broken or missing parts. Check each adjuster on safety straps for proper operation. Repair or replace as necessary.
3. Check safety strap attachment bolts for proper tightness (1-2 threads showing). Re-stow straps. Whenever removing the safety straps, always install new nuts on the attachment bolts.
4. Check each seat for proper pull down tension (8 to 12 pounds) with a spring scale (see Figure 1). Adjust as needed using procedures below.
5. Inspect plastic seats for damage and securing nuts for tightness (35-45 inch pounds).
6. Check plastic end plug and screws for integrity.

COMMON REPLACEMENT PARTS

(Call LSC for non-listed items)

#420-1	FLOTATION COVER, EA.	#420-2	FLOTATION FOAM, EA.
#420-3	SAFETY STRAP, EA.	#420-4-1	SPACER, SAFETY STRAP, EA.
#420-5	PLASTIC SEAT ASSEMBLY, EA.	#420-6	PLASTIC END PLUG, EA.
#402-7	LOCKING LEVER, EA.	#420-8	LOCKING LEVER BOLT ASSEMBLY, EA.
#420-9	SEAT BOLT AND NUT w/WASHERS, EA.	#420-10	SEAT FRAME, EA.
#420-11	BUSHING SET, 4 PC.		

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.

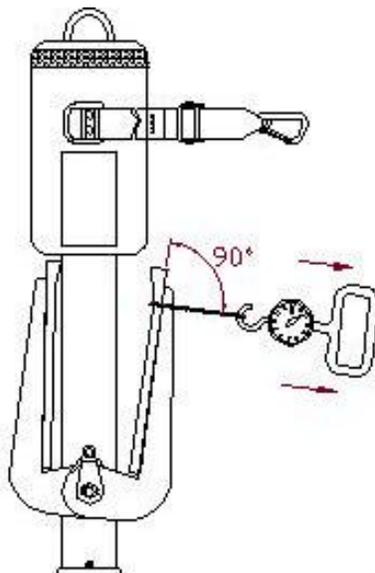


FIGURE 1

SEAT ADJUSTMENT

1. Remove locking lever bolt and locking levers.
2. Adjust seat bolt until desired pull down tension is achieved for both seats, (8 to 12 lbs), using a spring scale (See Figure 1).
3. Reinstall locking levers and secure with bolt, washers, and locknut.
4. Check pull down tension and adjust as required.

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