



# OWNER'S MANUAL

## D-LOK HOIST HOOK

### #410 & #411

(Applicable Fitments: -A, -E, -F, -H, -J, -K, -KAF)

#### GENERAL WARNING & CAUTION

The product(s) covered by this manual is (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. This equipment is intended to aid the professional rescuer(s) and/or survival victim(s). However, all risks for 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 type equipment. It is the responsibility of the purchasing and end-user organization or individual to 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.

#### INSTALLATION

1. Install in accordance with all applicable hoist and helicopter installation & maintenance procedures by qualified personnel only.
2. Verify the attachment fitment on the D-LOK is the same as the hook being replaced. Contact LSC if different.
3. Inspect the hoist hook bumper/carrier assembly as per the manufacturer's instructions. Inspect the nut used to secure the D-LOK to the carrier assembly for excessive wear or worn threads and replace if necessary.
4. Prior to installation of the hook, thoroughly clean and degrease the screw threads on the DLOK hoist hook and on the attachment nut. Apply LOCTITE 243 or similar thread-locking material per material instructions and in sufficient quantity to fill all engaged threads of the hoist hook. Proceed immediately to step
  - a. **\*\*\* CAUTION \*\*\*** Do not allow thread-locking material to penetrate the bearing assembly.
5. Install the D-LOK into the carrier assembly as per the manufacturer's instructions. Follow the thread-locking material instructions and allow curing prior to use/flight. Check for free rotation of hoist hook in carrier assembly.

#### INSPECTIONS

While LSC has designed and manufactured the D-LOK to be reliable, periodic testing and inspection are necessary to ensure functional reliability. The frequency of inspection should be determined by the frequency and condition of use. However, the period between inspections shall not exceed three (3) months.

##### Operational Inspection

Visually inspect the entire hook assembly for damage and proper function of the latch gate prior to each use.

##### Periodic Inspection

Carefully inspect the D-LOK hook and latch gate assembly for cleanliness, cracks, distortion, broken or missing parts, unusual wear and corrosion. Check latches for proper operation. If soiled, clean with mild soap and fresh water. Thoroughly rinse and allow the hook to completely dry. Lubricate latches and gate with light oil such as WD-40. Remove excess lubricant.

#### REPAIRS AND MAINTENANCE

Repairs should normally be limited to deaning, removal of surface corrosion and lubricating. Minor blending of nicks (up to 0.025 inches in depth) on the hook may be performed by qualified personnel. The D-LOK hook assembly should be replaced if beyond these limits or returned to LSC for serviceability determination.

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