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CUSTOMER ADVISORY BULLETIN

CAB-100

SAFETY ALERT NOTICE

POTENTIAL PROBLEM AND SOLUTION

BL-16600 SERIES RESCUE HOIST CABLE FOULING

SUBJECT:

EXTERNAL HOIST ASSEMBLY;

P/N 206-995-101/-111

Installed on Bell 206A & 206B Model Helicopters

P/N 206-995-100/-110/-120/-130

Installed on Bell 206L, L-1, L-3, L-4 Model Helicopters

P/N 407-995-001

Installed on Bell 407 Model Helicopters

HELICOPTERS AFFECTED:

All Bell 206A, B, L, L-1, L-3, L-4 and 407 Model Helicopters equipped with subject External Hoist Kit.

DESCRIPTION:

To ensure continuation of the excellent service of Aeronautical Accessories, Inc. External Hoist Kits, this Customer Advisory Bulletin provides procedures for inspection of the existing External Hoist Systems.

Date: November 6, 1997

1.0 PURPOSE

This Customer Advisory Bulletin is being issued to advise the user community of the possibility of hoist cable fouling due to a possible interference with the cable cutter assembly.

2.0 SCOPE

Aeronautical Accessories, Inc. has been notified of a partial failure of a load cable used on the BL-16600-170 Rescue Hoist. The Rescue Hoist was returned to Aeronautical Accessories, Inc. for engineering investigation. The following are the findings of the investigation.

3.0 OBSERVATIONS

During engineering investigation it was discovered that several outer strands of the load cable were cut. These strands were cut by a sharp edge on the cable cutter assembly which the load cable passes through. This load cable damage was the result of a misaligned cable cutter assembly due to the set screw used to hold the cutter being improperly positioned.

4.0 DOCUMENTATION NEEDED FOR CORRECTIVE ACTION.

- CAB-100-55
- TD-98-015

5.0 CORRECTIVE ACTION

On all BL-16600 style Rescue Hoists the cable cutter must be visually inspected for proper alignment and location of the cable cutter and any sharp edges on the cable cutter barrel where the load cable passes through it. **DO NOT REMOVE THE LOAD CABLE FROM THE HOIST UNTIL THE FOLLOWING ACTION IS COMPLETED.** The cable cutter is an explosive devise, handle it with care. Loosen & remove the set screw holding the cable cutter in place and correctly reposition the cable cutter assembly in the cable guide assembly by aligning the indent on the cable cutter barrel with the tapped screw hole adjacent to the hex shaped tension roller shaft of the Rescue Hoist. Slowly tighten the set screw until it touches the indent in the cable cutter barrel, rotate the cutter assembly in a clockwise and counter clockwise motion in the bore of the cable guide assembly as the screw comes in contact with the cutter barrel, tighten screw until no movement is possible. Visually insure the cable cutter assembly is horizontally positioned with reference to the adjacent hex shaped tension roller shaft. This action is necessary to insure the correct positioning of the cable cutter assembly in the cable guide assembly before removing the load cable for this action. Remove the load cable from the Rescue Hoist per paragraph 3.16 of TD-93-015, Operation and Maintenance Manual, Revision C, dated 6-23-97. Remove the cable cutter assembly per paragraph 3.22 of TD-93-015, visually inspect load cable clearance hole in cable cutter for any burred sharp edges. If any sharp edges are found remove with suitable tool and install cable cutter per paragraph 3.23 of TD-93-015. Install load cable per paragraph 3.17 of TD-93-015.

6.0 CLASSIFICATION

- Product Improvement
- Reliability
- Service Life
- Performance

7.0 RECOMMENDED IMPLEMENTATION

- Immediately