

ALERT SERVICE BULLETIN

AERONAUTICAL ACCESSORIES, INC.

P.O. BOX 3689 • BRISTOL, TENNESSEE 37625-3689

ASB NO. 00007 NO REV. • DATE: FEBRUARY 28, 2000 • PAGE 1 OF 5

SUBJECT: BREEZE EASTERN 300 lb. RESCUE HOIST;
P/N BL-16600-170 AND BL-16600-110;
AERONAUTICAL ACCESSORIES, INC.
300 lb. RESCUE HOIST P/N 407-979-100

HELICOPTERS AFFECTED: All Bell 206A,B,L,L-1,L-3,L-4 and 407
helicopters equipped with subject Hoist
Installation.

COMPLIANCE: This Alert Service Bulletin shall be complied with
immediately upon receipt.

DESCRIPTION: During recent hoist operations of a Breeze
Eastern 300 lb. External Hoist System there was
a hoist cable fouling and failure. Investigation
determined that the cable fouling and
subsequent failure was due to spinning of the
cable caused by contamination (sand and dirt)
of the Hook Assembly swivel mechanism
bearings.

This Alert Service Bulletin emphasizes the
requirement for maintenance of the Hook
Assembly per the Breeze Eastern maintenance
manual Section III sub-section 3.15 Service and
Repair.

The AAI RFMS's for the External Hoist Kits on
Bell 206 and 407 Helicopters are being revised
to add the requirement to check the Hook
Assembly for smooth, free swivel operation
during the Hoist Preflight check and to inspect
for signs of Hook Assembly contamination (salt
water, sand, dirt) during the Postflight check.

ECCN
9E991

LOG OF REVISIONS

Revision	Date	Description	Pages Affected
-	2-28-00	Original Release	All

MANPOWER:

Approximately one and one-half (1.5) man-hours.

MATERIAL:

The following material is required to comply with this Bulletin and may be procured locally:

- Kerosene solvent or equivalent
- Soft-bristle brush, Federal Specification VV-K-211 or equivalent
- Light lubrication oil
- Grease, MIL-G-23827B or equivalent
(Ref. Figure 5-3 Item No. 10) (Ref. BL-7180-4)
- Dow Corning No. 33 silicone grease
(Ref. Figure 5-2 Item No. 9) (Ref. BL-7520-1 & BL-14585)
- Dow Corning No. 4 silicone grease
(Ref. Figure 5-3 Item No. 6B) (Ref. BL-7180-4).
- Dry lubricant

SPECIAL TOOLS:

- Bearing puller or a press

WEIGHT AND BALANCE:

Not affected.

ACCOMPLISHMENT INSTRUCTIONS:

CAUTION

The AAI P/N 407-979-100 Hoist is currently supplied with the P/N 099-151-003 Hoist Safety Hook. Removal, maintenance, and installation of the P/N 099-151-003 Hook is identical to the BL-7520-1 and BL-14585 Hook Assemblies.

1. Refer to Breeze Eastern Corporation Operation and Maintenance manual with Parts Breakdown TD-93-015, Rev. E, dated June 15, 1998. (Copy provided with this Bulletin).
2. Complete the procedures provided in paragraphs 3.15-1 thru 3.15-3 for Hook Assembly removal, maintenance, and installation.
3. Complete ASB NO. 00007 Compliance Notification Form, provided in Appendix A, and mail or telefax (423-538-8469) to Aeronautical Accessories, Inc.

CAUTION

As stated in paragraph 3.15, the procedures provided in paragraph 3.15-1 thru 3.15-3 must be executed immediately after the Hook Assembly has been exposed to salt water or contamination while in use.

4. The following RFMS's are being revised to add the requirement to check the Hook Assembly for smooth, free swivel operation during the Hoist Preflight check and to inspect for signs of Hook Assembly contamination (salt water, sand, dirt) during the Postflight check:

- AA-91025 RFMS, External Hoist on Bell 206A & 206B Model Helicopters
- AA-91043 RFMS, External Hoist on Bell 206B Model Helicopters
- AA-92090 RFMS, External Hoist on Bell 206L,L-1,L-3,L-4 Model Helicopters
- AA-97007 RFMS, External Hoist on Bell 407 Model Helicopters

The revised RFMS's will be provided to all Hoist operators immediately following FAA approval.

ASB NO 00007 COMPLIANCE NOTIFICATION FORM

Company Name: _____

Company Address: _____

Aircraft Registration Number: _____

Aircraft Serial Number: _____

Hoist Assembly (Breeze Eastern P/N 16600-110/-170) (AAI P/N 407-979-100)
Serial Number: _____

Compliance Date: _____

Name/Signature: _____

Appendix A