

ALERT SERVICE BULLETIN

NO. 214-85-29

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

DATE 11-7-85

Post Office Box 482 • Fort Worth, Texas 76101

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DATE
REV.

MODEL AFFECTED: 214B/214B-1

SUBJECT: COLLECTIVE SLEEVE, P/N 214-010-411-001/-003 WITH SERIAL NUMBER A-19 PREFIX AND A-1 THRU A-10 REINSPECTION OF

HELICOPTERS AFFECTED: S/N'S 28001 through 28070 and spares.
[Spares shipped after 7 November 1985 will have this inspection accomplished prior to delivery.]

COMPLIANCE: Immediately upon receipt and each 250 flight hours thereafter until replaced with a sleeve, P/N 214-010-411-003, with a new serial number sequence, A-11 and subsequent.

A ferry flight to a maintenance site is authorized.

This Alert Service Bulletin is the formal transmittal of telegraphic Alert Service Bulletin 214-85-29, dated 31 October 1985 with changes.

This bulletin cancels and supersedes A.S.B. 214-84-26.

DESCRIPTION:

During an accident investigation a collective sleeve was found to be fractured. At present there does not appear to be a connection between the fracture and the accident. The investigation is continuing. Preliminary investigation indicates the sleeve fractured circumferentially approximately 6.75 inches above the lower end of the sleeve in the cadmium to chrome plated radius. Hydrogen embrittlement indications were found on the crack surface in the sleeve. The sleeve total time is estimated to be 2043 hours.

7851 55102 REV. 127B

AN APPROPRIATE ENTRY SHOULD BE MADE IN THE AIRCRAFT LOG BOOK UPON ACCOMPLISHMENT
IF OWNERSHIP OF AIRCRAFT HAS CHANGED PLEASE FORWARD TO NEW OWNER

The purpose of this bulletin is to require that immediately upon receipt all installed and spare collective sleeves, P/N 214-010-411-001/-003, with S/N A-19 prefix and A-1 thru A-10 serial numbers shall be magnetic particle inspected.

Repeat collective sleeve magnetic particle inspection every 250 operating hours until replaced with a sleeve, P/N 214-010-411-003, with serial number sequence A-11 and subsequent.

FAA APPROVAL:

Not required

MANPOWER:

Man-hours are based on "hands-on" time. Elapsed time to accomplish the required task may vary due to manpower and facilities available. It is estimated that eight (8) man-hours will be required to accomplish this bulletin.

MATERIALS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

A.S.B. 214-84-26. (Superseded by this A.S.B.)
214B Maintenance Manual Chapters 65-10-00, 65-20-00 and 20-30-00.
214B Component Repair and Overhaul Manual, Chapter 65-20-02.

PUBLICATIONS AFFECTED:

214B Maintenance Manual, Chapter 5-40-00.
214B Component Repair and Overhaul Manual, Chapter 62-20-02.

ACCOMPLISHMENT INSTRUCTIONS:

1. Remove main rotor hub and blade assembly, and pitch links in accordance with the Maintenance Manual, Chapter 65-10-00. Using the Maintenance and Component Repair and Overhaul Manual as a guide, disassemble/remove only parts required to remove collective sleeve.
2. Inspect the collective sleeve in accordance with the Component Repair and Overhaul Manual, Chapter 65-20-02, Page 65-56, Procedure A or ASB 214-84-26.

WARNING

ANY ABNORMALITY OR INDICATION IN
THE CADMIUM/CHROME PLATED RADIUS
AND ADJACENT AREA IS CAUSE FOR
REJECTION OF THE SLEEVE.

NOTE

Rejected sleeves are to be returned
to BHTI, Trinity and Norwood, Fort
Worth, Texas 76101, Attn: CPR
Monitor.

3. Reassemble parts removed to inspect collective sleeve in Step 1.
4. Reinstall pitch links and hub and blade assembly in accordance with Chapter 65-10-00.
5. Record bulletin compliance in Helicopter Historical Service Record (Form 7861-59020).
6. Please notify BHTI Product Support Department immediately of serial number checked and of findings, telephone (817)280-3505, telex 75-8323, or 75-8304.