

ALERT SERVICE BULLETIN

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

NO. 412-00-100

DATE 03-24-00

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REV

MODEL AFFECTED: 412 & 412EP

SUBJECT: CAP ANGLE, P/N 212-030-191-001, INITIAL INSPECTION

HELICOPTERS AFFECTED: Model 412 & 412EP Helicopters serial numbers 36001 through 36269, serial numbers 33001 through 33213, and serial numbers 34001 through 34036

[Helicopters 36270 and subsequent will have the intent of this bulletin complied with before delivery.]

COMPLIANCE: L/H Upper Cap Angle, P/N 212-030-191-001, must be initially inspected within 25 flight hours after receipt of this bulletin.

-NOTE-

Additionally, the L/H upper Cap Angle of all Model 412 Helicopters must be inspected each 100 hours thereafter (Part A) or every fourth 25 hour (Part B) in accordance with the attached Maintenance Manual revision.

DESCRIPTION:

Bell Helicopter has recently completed an investigation of a fractured Upper Left Fuselage Tailboom Attachment Cap Angle, P/N 212-030-191-001. The fracture was the result of a fatigue crack, which originated from metal chips left between the bottom side of the cap and the upper side of the fitting, or between the cap angle and the adjacent structure. This has been determined to be the result of improper de-burring and cleaning during manufacture.

As a result of the above investigation, the following maintenance procedures are initiated to assure continued structural integrity of the cap:

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- The L/H upper Cap angle, P/N 212-030-191-001, must be inspected within 25 flight hours after receipt of this bulletin
- A recurring inspection at each fourth 25 hour and 100 hour interval thereafter is added to the Maintenance Manual.

APPROVAL:

Not required

MANPOWER:

Approximately 0.5 man-hours are required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

MATERIAL:

None Required

SPECIAL TOOLS:

10x magnifying glass.

WEIGHT AND BALANCE:

Not effected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-412-IPB Illustrated Parts Breakdown
BHT-412-MM Maintenance Manual

PUBLICATIONS AFFECTED:

BHT-412-MM Maintenance Manual

ACCOMPLISHMENT INSTRUCTIONS:

1. Gain access to the cap angle in the tail rotor servo compartment through the R/H aft fuselage door.
2. Inspect area noted on figure 1 of cap angle, P/N 212-030-191-001, with 10x magnifying glass.
3. If no cracks are found, return the aircraft to service.
4. If a crack is found, contact Product Support Engineering before further flight:

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International	(450) 437-6201
Fax	(450) 433-0272
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