



A Textron Company

August 24, 2010

TO: All Owners/Operators of Bell 407 Helicopters

SUBJECT: REVISION "A" TO TECHNICAL BULLETIN 407-09-88 (PITCH HORN 406-012-108-ALL AND 407-012-112-101 RECURRING TORQUE CHECK, INTRODUCTION OF.)

Revision "A" to this Bulletin corrects and adds the following information.

- In the Subject section, P/N 407-012-108-All has been replaced by 407-012-108-107.
- In the Helicopters Affected section, the effectivity 54000 and subsequent has been added.
- In the References and Publications Affected sections, the Maintenance Chapters were added for clarity.
- In the ACCOMPLISHMENT INSTRUCTION PART 1 and PART 2 section, the Chapter and Figure were added for clarity. In PART 2, the NOTE was altered to specify Event#1 in lieu of Event #6.

TECHNICAL BULLETIN
Bell Helicopter

A Textron Company

No. 407-09-88

Date Nov 17, 2009

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DATE Aug 24, 2010

REV A

MODEL AFFECTED: 407

SUBJECT: PITCH HORN 406-012-108-107 AND 407-012-112-101 RECURRING TORQUE CHECK, INTRODUCTION OF.

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HELICOPTERS AFFECTED: 407 Helicopters serial number 53000 through 53900, 53911 through 53999 and 54000 and subsequent.

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COMPLIANCE: Recommended:

Within the next 100 hrs of flight following receipt of this Bulletin and every 300 hrs of flight thereafter.

DESCRIPTION:

It has been brought to Bell Helicopter's attention that a loss of torque may occur on the bolts that attach the tail rotor pitch change links to the pitch horn assemblies. This Bulletin provides the instructions to prevent a future loss of torque.

PART 1 of this Bulletin recommends a torque check of the bolts within the next 100 hours.

PART 2 of this Bulletin introduces a recurring 300 hour torque check of the bolts.

APPROVAL:

The engineering design aspects of this Bulletin are Transport Canada Civil Aviation (TCCA) approved.

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.

WARRANTY:

There is no warranty credit applicable for parts or labor associated with this Bulletin.

MATERIALS:

Consumable Material:

| <u>Part Number</u> | <u>Nomenclature</u> | <u>Reference</u> |
|--------------------|---------------------|------------------|
| AS100028 | Lockwire Wire | C-405 |

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

- A | BHT-407-MM Maintenance Manual Chapters 5 and 67

PUBLICATIONS AFFECTED:

- A | BHT-407-MM Maintenance Manual Chapters 5 and 67

ACCOMPLISHMENT INSTRUCTIONS:

PART 1: Completion of a one-time 100 hour torque check.

1. Within the next 100 flight hours, do a torque check of the bolts that attach the tail rotor pitch link assemblies to the tail rotor pitch horn assemblies (BHT-407-MM, Chapter 67, Figure 67-87).
2. Make an entry in the helicopter historical records to show that you have complied with PART 1 of this Technical Bulletin.

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PART 2: Introduction of 300 hour recurring torque check.

-NOTE-

The recurring 300 hour torque check has been added to Event # 1 of the Chapter 5 Progressive Inspection.

1. Ensure a copy of the BHT-407-MM, Revision 26 or subsequent has been inserted into the Maintenance Manual. A copy can be downloaded at www.bellhelicopter.net.
2. Do a recurring 300 hour torque check of the bolts that attach the tail rotor pitch link assemblies to the tail rotor pitch horn assemblies (BHT-407-MM, Chapter 67, Figure 67-87).
3. Make a one-time entry in the helicopter historical records to show that you have complied with PART 2 of this Technical Bulletin.

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