

TECHNICAL BULLETIN

NO. 407-98-8

Bell Helicopter **TEXTRON**

DATE 2-13-98

A Division of Textron Canada Ltd.

DATE

REV.

12, 800 Rue de l'Avenir, Mirabel, Quebec J7J 1R4

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MODELS AFFECTED: 407

SUBJECT: NEW TAIL ROTOR BLADE P/N 406-016-100-119, INTRODUCTION OF.

HELICOPTERS AFFECTED: 407, Serial Numbers 53000 through 53017.

[Helicopters Serial Numbers 53018 and subsequent will have the intent of this bulletin completed before delivery.]

COMPLIANCE: At the next replacement of the tail rotor blades.

DESCRIPTION: This bulletin introduces a new tail rotor blade P/N 406-016-100-119 with an increase in service life. This new tail rotor blade is a replacement for the old tail rotor blade.

APPROVAL: The engineering design aspects of this Technical Bulletin are Transport Canada approved.

MANPOWER: No added man-hours are necessary when you replace the tail rotor blades at the scheduled replacement time.

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WARRANTY:

Owners/operators of 407 helicopters which have the tail rotor blades P/N 407-016-001-101, installed on their ship(s) are eligible for a special 100% warranty credit when they purchase the replacement tail rotor blades, P/N 406-016-100-119.

To receive this credit:

1. The original part(s) must have been used, to within 25 hours of the published life limit for the original part before they are replaced. Deviations to this requirement must be approved in advance through BHT Warranty Administration (Phone 817 280-3406, facsimile 817 280-8898).
2. The owner/operator must get the replacement part(s) from an approved BHTI spares supply source.
3. The work must be done in compliance with the instructions outlined in this Technical Bulletin.
4. The owner/operator must send a completed Malfunction Report (MR) to BHT Warranty Administration within 30 days after the completion of this Technical Bulletin. A copy of the BHTI invoice referencing the replacement parts purchased to accomplish this Technical Bulletin must be attached to the Malfunction Report (MR).

MATERIAL:

Required Material:

The material that follows is necessary to complete this Bulletin and can be procured through your Bell Helicopter Textron Supply Center.

<u>PART NUMBER</u>	<u>NOMENCLATURE</u>	<u>QUANTITY</u>
406-016-100-119	TAIL ROTOR BLADE	2

Consumable Material:

None required.

SPECIAL TOOLS:

Refer to BHT-407-MM-7, Chapter 64.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-ALL-SPM, reissue- 3 February 1995.

BHT-407-MM-1, rev.5- 18 July 1997:

Chapter 4, Mandatory Retirement, Table 4-1.

BHT-407-MM-7, rev.3- 28 October 1996:

Chapter 64, Tail rotor, paragraphs 64-5, 64-10, 64-18, and 64-28.

PUBLICATIONS AFFECTED:

None.

ACCOMPLISHMENT INSTRUCTIONS:

1. Remove the tail rotor hub assembly from the helicopter (BHT-407-MM-7, Chapter 64, Paragraph 64-5).
2. Remove the tail rotor blades from the tail rotor hub (BHT-407-MM-7, Chapter 64, Paragraph 64-18).
3. Install the new tail rotor blades on the tail rotor hub (BHT-407-MM-7, Chapter 64, Paragraph 64-28).
4. Install the tail rotor hub assembly (BHT-407-MM-7, Chapter 64, Paragraph 64-10) on the helicopter.

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5. Make an entry in the helicopter historical record to show that this Technical Bulletin is completed.
6. Make an entry in the Record of Technical Bulletins in the Maintenance Manual.