

Bell Helicopter **TEXTRON**

A Subsidiary of Textron, Inc.

MAR 28, 2007

TO: **All Owners/Operators of Bell 407 Helicopters**

SUBJECT: **REVISION "A" TO TECHNICAL BULLETIN 407-04-60:
(TRANSMISSION ASSEMBLY AND TAIL ROTOR GEARBOX
OVERHAUL INSPECTION INTERVAL, EXTENSION OF.)**

Revision "A" to this Technical Bulletin has the overhaul inspection interval extended from 3500 to 4500 hours on transmission and tail rotor gearbox listed in the **COMPONENT AFFECTED** block of this bulletin.

TECHNICAL BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

No. 407-04 60

Date Nov 30, 2004

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DATE MAR 28, 2007

REV A

MODEL AFFECTED: 407

SUBJECT: TRANSMISSION ASSEMBLY AND TAIL ROTOR GEARBOX OVERHAUL INSPECTION INTERVAL, EXTENSION OF.

HELICOPTERS AFFECTED: Model 407 helicopters

COMPONENT AFFECTED: PART I

Transmission 407-040-006-107 modified per TB 407-03-41 and transmission 407-040-006-111 and subsequent.

PART II

Tail rotor gearboxes 406-040-400-117 and /-117FM that have been modified per TB 407-00-21 and TB 407-01-31 and tail rotor gearbox 406-040-400-119 and subsequent.

COMPLIANCE: Immediately upon receipt of this bulletin, the overhaul interval inspection of transmissions and the tail rotor gearboxes described in the COMPONENT AFFECTED section of this bulletin is extended from 3500 hours to 4500 hours of operation.

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DESCRIPTION:

Bell Helicopter has conducted technical evaluations of transmission and tail rotor gearbox operated in the field. In light of the favorable results observed in the course of these evaluations, an increase to the overhaul inspection interval is justified. There is no change to the interim inspection schedule that is currently set at 60 months.

PART I of this technical bulletin provides overhaul inspection instructions applicable to eligible transmission.

PART II of this technical bulletin provides overhaul inspection instructions applicable to eligible tail rotor gearbox.

This extension does not apply to transmissions and tail rotor gearboxes that have been subjected to repairs, reworks, or modifications that are not Bell Helicopter approved.

APPROVAL:

The engineering design aspects of this bulletin are Transport Canada Civil Aviation approved.

MANPOWER:

No additional manpower is required when accomplishing this Bulletin during interim inspection.

MATERIALS:

Not required

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-407-MM, Rev. 19, 17 December 2003.

Chapter 5, Inspections

BHT-407-CR&O, Rev. 2, 09 March 2004.

Chapter 63-20, Transmission assembly

Chapter 65, tail rotor gearbox

PUBLICATIONS AFFECTED:

BHT-407-MM, Rev. 19, 17 December 2003.

Chapter 5, Inspections

ACCOMPLISHMENT INSTRUCTIONS:

PART I – Transmission assembly as listed in the COMPONENT AFFECTED section of this bulletin

1. Upon reaching 4500 hours time since new or overhaul, remove transmission from the aircraft (BHT-407-MM, Chapter 63).
2. Perform an overhaul to transmission in accordance with the BHT-407-CR&O, Chapter 63-20.
3. Make an entry in the Historical Records, stating this Bulletin has been completed.

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PART II – Tail rotor gearbox as listed in the COMPONENT AFFECTED section of this bulletin

1. Upon reaching 4500 hours time since new or overhaul, remove tail rotor gearbox from the aircraft (BHT-407-MM, Chapter 63).
2. Perform an overhaul to tail rotor gearbox in accordance with the BHT-407-CR&O, Chapter 65.
3. Make an entry in the Historical Records, stating this Bulletin has been completed.

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