AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.

Number:

CF-1999-04R1

Effective Date:

11 February 2016

ATA:

05

Type Certificate:

H-92

Subject:

Time Limits and Maintenance Checks – Changes to Component Retirement Lives

Revision:

Supersedes AD CF-99-04, dated 2 April 1999.

Applicability:

Bell Helicopter Textron Canada Ltd. (BHTC) model 407 helicopters, serial numbers 53000 and subsequent.

Compliance:

Within 120 days from the effective date of this AD, unless already accomplished.

Background:

The original issue of this AD mandated changes to the retirement lives of certain components of the model 407 helicopter. Additional analysis in 2010 found that the airworthiness limitation of the part number 406-010-126-107, main rotor drive ring set, could be increased from 48 000 Retirement Index Number (RIN) to 100 000 RIN. The proposed updated limitation was approved by Transport Canada and incorporated into the Airworthiness Limitations Schedule (ALS) in 2011 with Revision 30 of the model 407 maintenance manual chapter 4.

This revision to AD CF-99-04 authorizes the use of updated airworthiness limitation for part number 406-010-126-107, main rotor drive ring set, to reflect the approved change to the ALS noted above. The airworthiness limitations for the other components have not been revised since the original version of this AD was published.

The table below lists the original life limitations (before the original issue of this AD), the life limitations imposed by the original issue of this AD, and the life limitations that are published in the current version (Revision 40) of the model 407 ALS. This information is only for reference purposes. The current and future Transport Canada-approved versions of the model 407 ALS take precedence over the information in this table.

Part Name	Part Number	Life Limitation Before AD CF-99-04	CF-99-04 Limitation (Original issue)	Current ALS limitation (rev 40)
Drive Ring Set	406-010-126-107	49 000 RIN	48 000 RIN	100 000 RIN
Main rotor mast	407-040-038-101	5000 hours or 25 000 RIN	5000 hours or 18 000 RIN	5000 hours or 18 000 RIN
Left hand pylon side beam	407-010-201-101	1000 hours	1000 hours or 5500 RIN	1000 hours or 5500 RIN
Right hand pylon side beam	407-010-203-101	1000 hours	1000 hours or 5500 RIN	1000 hours or 5500 RIN
Pylon Restraint Spring	407-010-206-103	On-condition	5000 hours	5000 hours

Corrective Actions:

Review and update the Transport Canada approved Maintenance Schedule and the historical record cards for the part number 406-010-126-107, main rotor drive ring set, to reflect the increased airworthiness life listed in Chapter 4, Airworthiness Limitations Schedule of the Bell 407 Maintenance Manual, BHT-407-MM.

Compliance with later revisions of the above-mentioned ALS approved by Transport Canada also meets the requirements of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 28 January 2016

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