



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-2016-09

Effective Date:

4 April 2016

ATA:

62

Type Certificate:

H-92

Subject:

Main Rotor – Corrosion of Tension-Torsion Straps

Applicability:

The following Bell Helicopter Textron Canada Limited (BHTC) helicopter models equipped with affected tension-torsion straps:

Model 206A and 206B, all serial numbers,
Model 206L, all serial numbers,
Model 206L1, all serial numbers,
Model 206L3, all serial numbers,
Model 206L4, all serial numbers.

Affected Tension Torsion Straps:

Part Number (P/N) 206-011-147-005, serial numbers BTFS-23868 through BTFS-24277
P/N 206-011-147-007, serial numbers BT-22719 through BT-23437

Compliance:

No later than 25 hours air time from the effective date of this AD, unless already accomplished.

Background:

It has been found that the tension-torsion straps listed in the Applicability section of this AD may develop cracks in the urethane protective coating. This condition may result in internal corrosion of the straps. Corroded straps may fail earlier than their approved airworthiness life, leading to loss of control of the helicopter. For that reason, it is necessary to reduce the airworthiness life of affected parts. The new life limits are specified in the Corrective Actions section of this AD.

Because of the limited scope of this problem, the Airworthiness Limitations Schedule (Chapter 4 of the Maintenance Manual) for the affected model helicopters will not be revised to incorporate this change. The life limit for tension-torsion straps that are not affected by this quality problem (i.e. not listed in the Applicability section of this AD) is unchanged from that stated in the Airworthiness Limitations Schedule.

BHTC has noted that strap P/N 206-011-147-005 is usable only on models 206A and 206B, while P/N 206-011-147-007 is usable on all models listed in the Applicability section of this AD.

Corrective Actions:

Examine the helicopter records to locate tension-torsion straps affected by this AD.

Remove from service tension-torsion straps affected by this AD that have reached or exceeded 1000 hours air time or 18 months in service, whichever occurs first. Time in service starts when the rotor hub containing the affected part is installed on a helicopter.

Make an entry in the component historical record indicating the new airworthiness limitation, 1000 hours air time or 18 months, whichever occurs first, for affected parts in service that have not yet reached the airworthiness limitation.

As of the effective date of this AD, it is prohibited for anyone to allow installation of an affected tension-torsion strap that has accumulated 1000 hours air time or more or 18 months in service or more.

Design Approval Document Holder documentation reference:

This AD incorporates the requirements of the following BHTC Alert Service Bulletins (ASBs):

1. ASB 206-13-130 - Tension/Torsion Straps, 206-011-147-005 and 206-011-147-007, Reduction of Airworthiness Limitation
2. ASB 206L-13-171 - Tension/Torsion Straps, 206-011-147-007, Reduction of Airworthiness Limitation

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 21 March 2016

Contact:

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