



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-2018-35

Effective Date:

2 January 2019

ATA:

65

Type Certificate:

H-107

Subject:

Tail Rotor Drive – Tail Rotor Gearbox – Introduction of Attachment Hardware Recurring Torque Check

Applicability:

Bell Helicopter Textron Canada Limited (BHTCL) model 429 Helicopters, serial numbers 57001 and subsequent.

Compliance:

As indicated below, unless already accomplished.

Background:

There have been three reports of tail rotor gearbox assemblies found loose on the gearbox support. Transport Canada Emergency Airworthiness Directive CF-2018-18 addressed the immediate safety concern.

Ongoing investigation has determined that the condition may return which could lead to structural damage and possible loss of control of the helicopter. This AD introduces a repetitive tail rotor gearbox attachment hardware torque check during the 200-Hour or 12-Month Inspection.

Corrective Actions:

- A. Within 12 months from the effective date of this AD or at the next scheduled 200-Hour or 12-Month inspection, whichever occurs first, perform a torque check of the tail rotor gearbox attachment hardware, in accordance with the Accomplishment Instructions of BHTCL Alert Service Bulletin (ASB) 429-18-41, dated 24 July 2018, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. Repeat the above-mentioned tail rotor gearbox attachment hardware torque check at every subsequent 200-Hour or 12-Month Inspection.
- C. Helicopters that have previously completed the torque check required by AD CF-2018-18 Corrective Actions paragraph B meet the requirements of paragraph A of this AD.
- D. In the event that any tail rotor gearbox attachment hardware moves during any of the above-mentioned torque checks, repeat the torque check every 10-25 hours air time until the torque stabilizes on all the nuts, in accordance with the Accomplishment Instructions of BHTCL ASB 429-18-41, dated 24 July 2018, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 19 December 2018

Contact:

Grant Walker, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.