



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-2017-02

Effective Date:

30 January 2017

ATA:

05

Type Certificate:

H-107

Subject:

Time Limits & Maintenance Checks - Life-Limited Wheeled Landing Gear Parts Not Serialized

Applicability:

Bell Helicopter Textron Canada Ltd. (BHTC) model 429 helicopters, serial numbers 57150, 57168, 57176, 57210, 57211 through 57216, 57265, 57266, 57267, and 57287.

Compliance:

Within 12 months from the effective date of this AD, unless already accomplished.

Background:

The forward spars, part numbers (P/Ns) 429-031-213-103/429-031-213-104 and the actuator fitting assemblies, P/Ns 429-031-222-101/429-031-222-102, have airworthiness life limits of 30 000 and 19 000 Retirement Index Number (RIN) respectively. The spars and fitting assemblies are not serialized and the accumulated usage is therefore difficult to track. *CAR Part II, Subpart 1, Section 201.09*, requires that life-limited components have identification marking. The marking must include the part number and the serial number of the component.

The lack of a serial number for the spars and fitting assemblies creates a risk that a component may remain in service beyond its assigned life limit. Failure to replace these components prior to the established airworthiness life limit could result in an unsafe condition due to component failure.

Corrective Actions:

Perform a one-time modification of the forward spars and actuator fitting assemblies by adding identification markings in accordance with the Accomplishment Instructions of BHTC Alert Service Bulletin (ASB) 429-16-34, dated 10 November 2016, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

As of the effective date of this AD, no person shall install forward spars, P/Ns 429-031-213-103/429-031-213-104 or actuator fitting assemblies, P/Ns 429-031-222-101/429-031-222-102 unless they have been serialized in accordance with ASB 429-16-34 or during manufacture.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 16 January 2017

Contact:

Ross McGowan, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.