



EMERGENCY 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) with ADs.

Number:

CF-2026-39

Effective Date:

11 August 2026

ATA:

64

Type Certificate:

H-88

Subject:

Tail Rotor – Tail Rotor Pitch Horn Fracture

Applicability:

Bell Textron Canada Limited (Bell) model 222 helicopters, serial numbers 47006 through 47089.

Compliance:

Before next flight after the effective date of this AD, unless already accomplished.

Background:

Bell recently received a report of in-flight fatigue failure of a tail rotor pitch horn installed on the Bell 222 model helicopters. Upon investigation, it was determined that the fatigue analysis of the affected part failed to consider higher stresses induced at certain critical locations on the pitch horn tangs leading to premature fatigue cracking.

Undetected cracking and subsequent failure of the tail rotor pitch horn could lead to secondary tail rotor hub component fractures due to overload and separation from the tail rotor gearbox resulting in loss of directional control and severely affecting helicopter maneuverability.

To address this immediate unsafe condition, this AD mandates removal of the affected tail rotor pitch horn from service and the installation of a serviceable part as an interim measure on all Bell 222 helicopter models.

Corrective Actions:

For the purpose of this AD, the following definitions apply:

Affected Part: Tail rotor pitch horn Part Number (P/N) 222-012-774-109.

Serviceable Part: Tail rotor pitch horn P/N 222-012-705-105 or 222-012-705-107.

Perform the following actions in accordance with the Accomplishment Instructions of Bell Alert Service Bulletin (ASB) 222-26-115, Basic Issue, dated 5 August 2026 or later revisions as approved by the Chief, Continuing Airworthiness, Transport Canada.

- A. If an affected part is installed, replace it with a serviceable part.
- B. As of the effective date of this AD, installation of an affected part is prohibited.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

André Couture
Acting Chief, Continuing Airworthiness
Issued on 10 August 2026

Contact:

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