



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-2020-08

Effective Date:

20 April 2020

ATA:

30

Type Certificate:

A-276

Subject:

Ice and Rain Protection – Wing Anti-Ice (WAI) System – Introduction of Safe Life Limit for Pneumatic Telescopic Duct

Applicability:

Bombardier Inc. model CL-600-2C10, CL-600-2C11, CL-600-2D15, CL-600-2D24 and CL-600-2E25 aeroplanes, all serial numbers.

Compliance:

Within 60 days from the effective date of this AD, unless already accomplished.

Background:

Several telescopic ducts were found jammed and, in some cases, disconnected during maintenance. Some of these failures resulted in a slat fail message being posted on the engine indicating and crew alerting system (EICAS). The telescopic duct slat attachment movement during normal operation combined with excessive friction within the duct sliding joints contributes to increased stress loads on the duct causing damage. This failure can cause a potential loss of WAI, slat skew, slat jam, structural damage and/or loss of the slat panel.

This AD mandates a life limitation on the telescopic duct with a corresponding phase-in to restore compliance.

Corrective Actions:

Incorporate the new Safe Life Limitation Task 30-11-10-701 as introduced by Temporary Revision (TR) ALI-0721, dated 20 December 2019, in Section 3-30 of the Maintenance Requirements Manual (MRM), Part 2. Initial compliance with the above-mentioned airworthiness limitation (AWL) task must be carried out in accordance with the phase-in as described in TR ALI-0721, dated 20 December 2019.

Compliance in accordance with superseding TRs or later revisions of the MRM, approved by Transport Canada, also meets the intent of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 6 April 2020

Contact:

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