



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-2015-28

Effective Date:

21 October 2015

ATA:

25

Type Certificate:

A-131

Subject:

Equipment/Furnishings – Damaged Decompression Window Louver Panel Assemblies and Detached Blowout Panels

Applicability:

Bombardier Inc.:

Model CL-600-2B19 aeroplanes, serial number 7003 and subsequent;
Model CL-600-2C10 aeroplanes, serial numbers 10002 and subsequent;
Model CL-600-2D15 and CL-600-2D24 aeroplanes, serial numbers 15001 and subsequent; and
Model CL-600-2E25 aeroplanes, serial numbers 19001 and subsequent,

configured with Class C Cargo Compartment.

Compliance:

As indicated below.

Background:

Several cases of damaged decompression window louver panel assemblies (WLPAs) have been reported in-service. Subsequent review of in-service data also showed multiple reports of detached blowout panels (BOPs). Damaged or detached WLPAs or BOPs create openings in the cargo compartment.

The presence of unintended openings on the WLPAs and BOPs could delay smoke detection in the cargo compartment. In addition, the cargo compartment may not be able to maintain Halon concentration required for fire suppression. In the event of a cargo compartment fire, this condition could lead to an uncontrolled cargo compartment fire.

This AD mandates the repetitive inspection of the affected WLPAs and BOPs.

Corrective Actions:

Part I – Repetitive WLPA inspections: Applicable to CL-600-2B19 aeroplanes :

Perform the inspection of the WLPA, and rectify as required, in accordance with Bombardier Service Bulletin (SB) 601R-25-201, dated 21 July 2015, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, in accordance with the following schedule:

- A. Initially, within 100 hours air time from the effective date of this AD, and
- B. Subsequently, at intervals not to exceed 100 hours air time

Part II – Repetitive WLPA and BOP inspections: Applicable to Aeroplane Models CL-600-2C10, CL-600-2D15, CL-600-2D24, and CL-600-2E25

Perform the inspection of the WLPA and the BOP, and rectify as required, in accordance with Bombardier SB 670BA-25-100, dated 21 July 2015, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, in accordance with the following schedule:



- A. Initially, within 100 hours air time from the effective date of this AD, and
- B. Subsequently, at intervals not to exceed 100 hours air time.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 23 September 2015

Contact:

Helen Tsai, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.

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