



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-2016-30

Effective Date:

5 October 2016

ATA:

24

Type Certificate:

A-131

Subject:

Electrical Power – Inspection, Replacement and Modification of the Circuit Breakers Installation at the Cockpit Circuit Breaker Panels

Applicability:

Bombardier Inc. model CL-600-2E25 aeroplanes, serial numbers 19002 through 19048.

Compliance:

As indicated below, unless already accomplished.

Background:

It was discovered during an inspection that circuit breakers installed on the cockpit circuit breaker panels may have cracks in the plastic casing. The damage was found on a Bombardier CL-600-2E25 production aeroplane following a routine functional test procedure. A fleet inspection also found similar damage on the in-service aeroplanes.

Cracked circuit breakers can allow moisture ingress and damage the interior of the circuit breaker and circuit breaker panels resulting in a malfunction of the affected circuit breaker and the potential loss of power to multiple aeroplane systems.

Corrective Actions:

Inspect and replace the circuit breakers that are found damaged in accordance with the Accomplishment Instructions of Part A of Bombardier Service Bulletin (SB) 670BA-24-037, Revision A, dated 11 July 2016, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, as follows:

- For aeroplanes that have accumulated less than 10 000 hours air time as of the effective date of this AD, Part A of SB 670BA-24-037, Revision A, dated 11 July 2016, or later revisions of this SB approved by the Chief, Continuing Airworthiness, Transport Canada, shall be accomplished before the aeroplane reaches 12 600 hours air time.
- For aeroplanes that have accumulated 10 000 hours air time or more as of the effective date of this AD, Part A of SB 670BA-24-037, Revision A, dated 11 July 2016, or later revisions of this SB approved by the Chief, Continuing Airworthiness, Transport Canada, shall be accomplished within 2000 hours air time.

Incorporation of Part B of SB 670BA-24-037 Revision A, dated 11 July 2016, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, within the compliance schedule specified above also meets the intent of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 21 September 2016

Contact:

Gordanko Jeremic, 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.