



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-2015-18

Effective Date:

16 July 2015

ATA:

27

Type Certificate:

A-131

Subject:

Stall Protection System – Incorrect Calibration of Angle Of Attack (AOA) Transducers

Applicability:

Bombardier Inc.:

Model CL-600-2C10 aeroplanes, serial numbers 10002 through 10999,
Model CL-600-2D15 and CL-600-2D24 aeroplanes, serial numbers 15001 through 15990,
Model CL-600-2E25 aeroplanes, serial numbers 19001 through 19990,

equipped with AOA Transducers with Part Numbers (P/Ns) and Serial Numbers (S/Ns) included in Section 1A, Effectivity, of Bombardier Service Bulletin (SB) 670BA-27-069, Initial Issue, dated 30 March 2015.

Compliance:

Within 2500 hours air time or 12 months, whichever occurs first, from the effective date of this AD, unless already accomplished.

Background:

It was discovered that a number of AOA transducers installed on Bombardier CL-600-2C10, CL-600-2D15, CL-600-2D24 and CL-600-2E25 aeroplanes were incorrectly calibrated due to a quality control problem at both the production and repair facilities. Incorrect calibration of the AOA transducer could result in a late activation of the stick pusher.

This AD mandates the replacement of the incorrectly calibrated AOA transducers.

Corrective Actions:

- A. Replace the AOA transducer(s) in accordance with the Accomplishment Instructions of Bombardier SB 670BA-27-069, Initial Issue, dated 30 March 2015, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. As of the effective date of this AD, it is prohibited for anyone to install the AOA Transducers with P/Ns and S/Ns included in Section 1A, Effectivity, of Bombardier SB 670BA-27-069, Initial Issue, dated 30 March 2015.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Philip Tang
Acting Chief, Continuing Airworthiness
Issued on 3 July 2015

Contact:

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