



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-2018-17

Effective Date:

13 July 2018

ATA:

27

Type Certificate:

A-131

Subject:

Stall Protection System – Out of Tolerance Angle of Attack (AOA) Transducers

Applicability:

Bombardier Inc. model CL-600-2B19 aeroplanes, serial numbers 7003 through 7067, and 7069 through 7891, equipped with AOA Transducers part numbers 45-150-340, C16258AA and C16258AB

Compliance:

As indicated below unless already accomplished.

Background:

Bombardier has received reports from the manufacturer of its Angle of Attack (AOA) transducers indicating that there is a possibility of excessive error in the signal generated by the AOA Transducer. It is possible that this error may not be detected by the stall protection computer, which could lead to late stall protection system activation and potentially result in the loss of control of the aeroplane. The error could be a result of incorrect assembly or/and internal wear in the AOA Transducer.

This AD mandates the modification or replacement of the AOA transducers in order to prevent late activation of the stick pusher in the stall protection system.

Corrective Actions:

Within 9000 hours air time or 46 months, whichever occurs first, from the effective date of this AD, replace the AOA transducers part number (P/N) 45-150-340, C16258AA and C16258AB. Accomplishment Instructions of Bombardier Inc. Service Bulletin 601R-27-165, Initial Issue, dated 20 December 2016, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, provide approved instructions for the AOA Transducer replacement.

As of the effective date of this AD, it is prohibited for anyone to allow installation of the AOA Transducers with P/Ns 45-150-340, C16258AA and C16258AB on Bombardier CL-600-2B19 aeroplanes.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 29 June 2018

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.