



# AIRWORTHINESS DIRECTIVE

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*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-2017-08

**Effective Date:**

8 March 2017

**ATA:**

32

**Type Certificate:**

A-131

**Subject:**

Landing Gear - Alternate-Extension System (AES) – Malfunction of the Nose Landing Gear (NLG) and the Main Landing Gear (MLG) Electro-Mechanical Actuator (EMA)

**Applicability:**

Bombardier Inc. model CL-600-2E25 aeroplanes, serial numbers 19001 through 19039.

**Compliance:**

Within 1200 hours air time or 12 months, whichever occurs first, from the effective date of this AD, unless already accomplished.

**Background:**

Malfunctions of the landing gear Alternate-Extension System (AES) have been experienced. Failure of the landing gear AES could prevent the landing gear from extending in the case of a failure of the primary landing gear extension system.

This AD is issued to mandate the replacement of the NLG and MLG EMA P/Ns BA698-85006-1 and BA698-85007-1.

**Corrective Actions:**

Remove and replace the NLG and MLG EMA P/Ns BA698-85006-1 and BA698-85007-1 with post-Service Bulletin (SB) part numbers in accordance with the Accomplishment Instructions of Bombardier SB 670BA-32-047, Revision A, dated 5 December 2016, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Replacement of the NLG and MLG EMA in accordance with the Initial Issue of SB 670BA-32-047, dated 28 February 2014, prior to the effective date of this AD, also satisfies the requirements of this AD

As of the effective date of this AD, it is prohibited for anyone to install NLG and MLG EMA P/Ns BA698-85006-1 or BA698-85007-1.

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 22 February 2017

**Contact:**

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