



No.	1/1
CF-2013-24R1	
Issue Date	
24 December 2013	

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to **Canadian Aviation Regulation (CAR) 521 Division X**. Pursuant to **CAR 605.84** and the further details of **CAR Standard 625, Appendix H**, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with **CAR 605.84** and the above-referenced **Standard**.

This AD has been issued by the Continuing Airworthiness Division (AARDG), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

Number: CF-2013-24R1

Subject: Nose Landing Gear Alternate Extension Actuator – No Instructions for Continued Airworthiness

Effective: 7 January 2014

Revision: Supersedes AD CF-2013-24, issued 13 August 2013.

Applicability: Bombardier Inc:
Model CL-600-2C10 aeroplanes, serial number 10002 and subsequent,
Model CL-600-2D15 and CL-600-2D24 aeroplanes, serial number 15001 and subsequent.

Compliance: Within 30 days from the effective date of the original issue of this AD (26 August 2013), unless already accomplished.

Background: It was discovered that there are no instructions for continued airworthiness for the Nose Landing Gear (NLG) alternate extension actuator. Without an effective maintenance task to maintain the aeroplane's inherent level of safety, there is a potential that a dormant failure of the alternate release system of the NLG could occur. Failure of the NLG alternate release system could prevent the nose landing gear from extending in the case of a failure of the normal NLG extension system.

This AD is to mandate the incorporation of a new maintenance task to prevent failure of the NLG alternate release system.

Revision 1 of this AD changes the phase-in time to be based on the NLG manual release actuators instead of aeroplanes.

Corrective Actions:

A. Amend the Transport Canada approved maintenance schedule by incorporating task number 320100-225 – Restoration of the NLG Manual Release Actuator, as introduced in Maintenance Requirements Manual, CSP B-053, Part 1, Revision 13, dated 25 August 2012.

Compliance with superseding Temporary Revision (TR) or later revisions of the above-mentioned Maintenance Requirements Manual approved by Transport Canada, also meets the requirements of this AD.

B. Phase-in for the NLG manual release actuators that have accumulated 14 500 flight cycles or more, as of the effective date of this AD: within 5500 flight cycles from the effective date of this AD, perform initial restoration task 320100-225.

Authorization: For the Minister of Transport,

ORIGINAL SIGNED BY

Philip Tang
Acting Chief, Continuing Airworthiness

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.

Pursuant to **CAR 202.51** the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address.

To request a change of address, contact the **Civil Aviation Communications Centre (AARC)** at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or www.tc.gc.ca/civilaviation/communications/centre/address.asp