



No.	CF-2009-28R1	1/1
Issue Date	14 August 2009	

# 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) 593**. 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-2009-28R1

**Subject:** Elevator Oscillation Due to Elevator Control Rod Disconnect

**Effective:** 3 September 2009

**Revision:** Supersedes Airworthiness Directive (AD) CF-2009-28.

**Applicability:** Bombardier Inc. Models:  
CL-600-2C10, serial numbers 10003 to 10259  
CL-600-2D15 and CL-600-2D24, serial numbers 15001 to 15099

**Compliance:** As indicated below, unless already accomplished.

**Background:** During an elevator Power Control Unit (PCU) Centering Functional Check on two CL-600-2C10 aircraft, sustained oscillations were discovered when a control rod was disconnected. These sustained oscillations could render the elevator surface inoperable and cause subsequent loss of pitch control of the aircraft.

This directive mandates incorporation of a new centering mechanism on the elevator torque tube to prevent these sustained oscillations.

This revision is issued to correct the date of the SB 670BA-27-042 Revision B.

**Corrective Actions:** Within 6 000 hours air time after the effective date of this directive, install the new PCU centering mechanism in accordance with Accomplishment Instructions in Part 2 of Bombardier Aerospace Service Bulletin 670BA-27-042, Revision B, dated June 2 2009, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada

**NOTE:** Incorporation of Bombardier Aerospace Service Bulletin 670BA-27-042, Original Issue, dated October 14, 2008, or Revision A, dated January 8, 2009, meets the intent of this directive only if Bombardier Aerospace Repair Engineering Order (REO) 670-27-31-001, or Service Non-Incorporated Engineering Order (SNIEO) S01 or S02 from kit drawing KBA670-93702 is also incorporated at the same time.

**Authorization:** For Minister of Transport, Infrastructure and Communities

Derek Ferguson  
Chief, Continuing Airworthiness

**Contact:** Mr. Gordanko Jeremic, Continuing Airworthiness, Ottawa, telephone 613-952-4379, facsimile 613-996-9178 or e-mail [CAW WEB Feedback@tc.gc.ca](mailto:CAW_WEB_Feedback@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](http://www.tc.gc.ca/civilaviation/communications/centre/address.asp)

