



No.	CF-2008-01	1/1
Issue Date 03 January 2008		

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), Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

Number: CF-2008-01

Subject: Fuel System Safety - Fuel Tank Climb Vent Loop Fuel Leak onto Anti-Ice Duct

Effective: 24 January 2008

Applicability: Bombardier Inc. Model CL-600-2C10 aircraft, serial numbers 10003 through 10169 and CL-600-2D24 aircraft, serial numbers 15001 through 15025.

Compliance: Compliance is required as indicated unless already accomplished.

Background: Bombardier Aerospace has completed a system safety review of the CL-600-2C10/CL-600-2D24 aircraft fuel system against new fuel tank safety standards, introduced in Chapter 525 of the Airworthiness Manual through Notice of Proposed Amendment (NPA) 2002-043. The identified non-compliances were assessed using Transport Canada Policy Letter No. 525-001 to determine if mandatory corrective action is required.

This assessment showed that rupture of the fuel tank climb vent loop pipe or leakage from pipe couplings could result in fuel coming in contact with hot anti-ice ducts, creating potential fire on top of the centre fuel tank.

To correct the unsafe condition, this directive mandates the modification of the fuel tank climb vent loop by installing shrouding boots that direct leaked fuel safely overboard.

Corrective Action: Within 4500 hours air time after the effective date of this directive, modify the fuel tank climb vent loop pipes by installing shrouding boots according to the Accomplishment Instructions of Bombardier Service Bulletin (SB) 670BA-28-011, Revision B, dated 4 July 2007, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Modification of climb vent pipe prior to the effective date of this directive according to the original issue or Revision A of the above-noted service bulletin satisfies the requirements of this directive.

Authorization: For Minister of Transport, Infrastructure and Communities

P. Tang
Acting Chief, Continuing Airworthiness

Contact: Mr. Philip Tang, Continuing Airworthiness, Ottawa, telephone (613) 952-4365, facsimile (613) 996-9178 or e-mail tangp@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

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