



No.	<b>CF-2011-15</b>	1/1
Issue Date	<b>20 June 2011</b>	

# 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- 2011-15
- Subject:** Inability to Deflate the Seal and Open the Airstair Door
- Effective:** 12 July 2011
- Applicability:** Bombardier Inc. DHC-8 Aeroplanes, Models 400, 401 and 402, Serial Numbers 4001 through 4361
- Compliance:** As indicated, unless already accomplished.
- Background:** One case of the inability to open the airstair door while on ground was reported in service. The airstair door seal did not deflate, preventing the airstair door from opening. It was found that the existing airstair door pneumatic shut-off valve control logic prevents the airstair door seal from deflating due to a single Input/Output Module failure under certain conditions. The inability to open the airstair door could impede evacuation in the event of an emergency.  
  
This directive mandates the wiring changes to prevent the above-mentioned failure conditions.
- Corrective Actions:** Within 6000 hours air time from the effective date of this directive, incorporate ModSum 4-126513 (Seal System Shut Off Valve Control Logic Change) in accordance with the Accomplishment Instructions of Bombardier Service Bulletin (SB) 84-52-69, Revision B, dated 09 May 2011, or later revision approved by Chief, Continuing Airworthiness, Transport Canada.  
  
Accomplishment in accordance with the Initial Issue, dated 28 January 2011, or Revision A, dated 26 April 2011, of Bombardier SB 84-52-69, also meets the requirements of this directive.
- Authorization:** For the Minister of Transport, Infrastructure and Communities  
  
*ORIGINAL SIGNED BY*  
  
Derek Ferguson  
Chief, Continuing Airworthiness
- Contact:** Miss Helen Tsai, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail [CAWWEBFeedback@tc.gc.ca](mailto:CAWWEBFeedback@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)

