



No.	CF-2011-21	1/1
Issue Date	12 July 2011	

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-2011-21

Subject: Fuel System – Chafing of High Pressure Fuel Line

Effective: 28 July 2011

Applicability: Bombardier Inc. DHC-8 Aeroplane Models 400, 401 and 402 Serial Numbers 4001, 4003 through 4354, and 4356 through 4363.

Compliance: As indicated below, unless already accomplished.

Background: During routine maintenance, an operator discovered evidence of chafing on a high pressure (HP) fuel line. The source of chafing was related to the improper installation of an expandable pin on the lower cowl assembly, which caused the lanyard to foul against the HP fuel line. This condition, if not corrected, may cause fuel leakage in a fire zone.

Bombardier has issued Service Bulletin (SB) 84-71-13 to introduce spring clips to positively retain and control the lanyards, regardless of the installation orientation of the expandable pin to rectify this problem.

Corrective Actions: Within 6000 hours air time or 36 months after the effective date of this directive, whichever occurs first, install spring clips, reposition the lanyard attachment points and complete all required actions in accordance with Bombardier SB 84-71-13, dated 19 May 2011, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization: For the Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Mr. Robin Lau, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613- 996-9178 or e-mail 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

