



No.	CF-2012-05	1/1
Issue Date	13 January 2012	

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-2012-05
- Subject:** Chafing of the Wire Harness at the Wing Leading Edge
- Effective:** 1 February 2012
- Applicability:** Bombardier Inc. DHC-8 Aeroplane Models 400, 401, and 402, Serial Numbers 4001 through 4382.
- Compliance:** As indicated below, unless already accomplished.
- Background:** There have been several in-service reports of chafing between the wire harness along the wing leading edge and the wing leading edge inboard end rib. The chafing condition was found to be caused by insufficient clearance between the wire harness and the structure. Chafing and damage to this wire harness could lead to the loss of the airframe de-icing system, and could be a possible ignition source causing fire and the subsequent loss of the aeroplane.
- This Airworthiness Directive (AD) mandates the inspection of the wire harness along the leading edge and the relocation of the anchor nut.
- Corrective Actions:** Within 3000 hours air time or 18 months, whichever occurs first, from the effective date of this AD, perform a detailed inspection of the wire harness on the leading edge for chafing damage, repair as applicable and relocate and install new anchor nuts, all in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 84-57-24, dated 30 September 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:** Miss Helen Tsai, 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