



No.	CF-2008-22	1/1
Issue Date 24 June 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-2008-22

Subject: Nose Landing Gear Failure to Retract - Electrical Harness Replacement

Effective: 15 July 2008

Applicability: Bombardier Inc. Models DHC-8-400, DHC-8-401, and DHC-8-402 Serial Numbers 4003, 4004, 4006 and 4008 through 4184.

Compliance: Compliance is required as indicated, unless already accomplished.

Background: There have been several cases reported where the landing gear did not retract after take-off. Subsequent investigation revealed this was caused by fatigue failure of the nose landing gear electrical harness. In conjunction with one engine being inoperable, this could, in certain operating conditions, affect continued safe flight and landing.

This directive mandates incorporation of new weight-on-wheels (WOW) and steering harnesses that have a new conduit construction.

Corrective Actions: Within 2500 hours air time from the effective date of this directive:

Replace the weight-on-wheels (WOW) and steering harnesses by incorporating Modsum 4-126401. Bombardier Service Bulletin (SB) 84-32-51, Revision B, dated 17 December 2007, or later revisions approved by Chief, Continuing Airworthiness, Transport Canada, provides approved instructions for incorporating Modsum 4-126401.

Note: Incorporation of Modsum 4-126401 in accordance with the original issue of SB 84-32-51, dated 16 August 2007 or with Revision A, dated 22 August 2007, also meets the intent of this directive.

Authorization: For Minister of Transport, Infrastructure and Communities

Derek Ferguson
Acting Chief, Continuing Airworthiness

Contact: Mr. Richard Topham, Continuing Airworthiness, Ottawa, telephone 613-952-4428, facsimile 613-996-9178 or e-mail tophamr@tc.gc.ca or any Transport Canada Centre.