



No.	CF-2008-13	1/2
Issue Date	14 February 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.

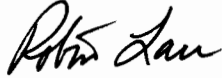
- Number:** CF-2008-13
- Subject:** Spoiler Cable Disconnect Caution Light
- Effective:** 28 February 2008
- Applicability:** Bombardier Inc. Models DHC-8-400, DHC-8-401 and DHC-8-402, Serial Numbers 4003, 4004, 4006 and 4008 through 4129.
- Compliance:** Within 6000 hours air time after the effective date of this directive, unless already accomplished.
- Background:** All DHC-8 Series 400 aircraft have had a spoiler fuselage cable disconnect sensing system installed in production. Subsequently it was discovered that, in the event of a spoiler fuselage cable disconnect, only the **ROLL SPLR INBD HYD** caution light will be illuminated until the aircraft speed decreases below 165 kts, at which time the **ROLL SPLR OUTBD HYD** caution light will also be illuminated. In the event of a spoiler fuselage cable disconnect in association with the existing indications described above, the reduction in roll authority could result in increased pilot workload during approach and landing.
- Modsums 4-110066 and 4-126356 (each applicable to a different batch of aircraft serial numbers) have been issued to rework the sensing circuit caution light indication to ensure that it is consistent for spoiler fuselage cable disconnects above and below 165 kts. Modsum 4-126356 has been installed in production on aircraft serial numbers 4130 and subsequent.
- Corrective Actions:**
- A. Applicable to Aircraft Serial Numbers 4003, 4004, 4006 and 4008 through 4094:**
- Incorporate Modsum 4-110066 to modify the spoiler cable disconnect sensing circuit. Bombardier Service Bulletin 84-27-33, original issue dated 6 June 2007, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, provide approved instructions for incorporating Modsum 4-110066.
- B. Applicable to Aircraft Serial Numbers 4095 through 4129:**
1. Incorporate Modsum 4-126356 to modify the spoiler cable disconnect sensing circuit. Bombardier Service Bulletin 84-27-28, Revision B, dated 25 September 2007, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, provide approved instructions for incorporating Modsum 4-126356.

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)

2. Installation of Modsum 4-126356 in accordance with the original issue, dated 2 October 2006, or Revision A, dated 30 April 2007, of Bombardier Service Bulletin 84-27-28, also meets the requirements of Paragraph B of this directive.

**Authorization:** For Minister of Transport, Infrastructure and Communities



R. Lau  
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](mailto:tophamr@tc.gc.ca) or any Transport Canada Centre.