



No.	<b>CF-2009-26</b>	1/1
Issue Date	<b>21 May 2009</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) 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), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

**Number:** CF-2009-26

**Subject:** Inadvertent Single Spoiler Deployment

**Effective:** 08 June 2009

**Applicability:** Bombardier Inc. Models DHC-8-400, DHC-8-401 and DHC-8-402, Serial Numbers 4001 through 4237.

**Compliance:** As indicated, unless already accomplished.

**Background:** Several operators have reported cases of inadvertent single spoiler deployment during flight on the DHC-8 Series 400 aircraft. Investigation has revealed that the probable cause for this deployment is internal contamination of the Lift/Dump (L/D) valve and moisture ingress into the L/D valve armature.

This condition, if not corrected, could cause uncommanded deployment of the spoilers resulting in increased drag and in combination with a loss of aileron, could result in a significant reduction in aircraft roll control.

**Corrective Actions:** Within 5 000 hours air time after the effective date of this directive, incorporate Bombardier Modsum 4-113554 to add a Filter/Restrictor Fitting to the Spoiler Lift Dump Valve. Bombardier Service Bulletin 84-27-43, Initial Revision, dated 29 January 2009, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada provides approved instructions for incorporating Modsum 4-113554.

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

Derek Ferguson  
Acting Chief, Continuing Airworthiness

**Contact:** Mr. Gordanko Jeremic, Continuing Airworthiness, Ottawa, telephone 613-952-4379, facsimile 613-996-9178 or e-mail [gordanko.jeremic@tc.gc.ca](mailto:gordanko.jeremic@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 (AAC)** 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)

