



No.	CF-2003-25	1/1
Issue Date 10 October 2003		

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-2003-25

Subject: Bombardier DHC-8 - Pitot Static System

Effective: 7 November 2003

Applicability: Bombardier Inc. DHC-8, Models 102, 103, 106, 201, 202, 301, 311, 314 and 315, Serial Numbers 003 through 598

Compliance: Within 24 months after the effective date of this directive, unless already accomplished.

Background: An investigation of an incident involving erroneous readings of the pilot's flight instruments has revealed that a leak in the pilot's static pressure system, downstream of the alternate selector valve, could result in a loss of both the pilot's normal and alternate static systems. This condition could result in the display of misleading altitude or airspeed information to the flight crew.

Corrective Action: **A. Applicable to Aircraft Serial Numbers 003 through 590:**

Incorporate ModSum 8Q101238 and 8Q101340 to provide increased independence between the pilot's primary and standby instrument static pressure source. Part A and Part C of Accomplishment Instructions of Bombardier Service Bulletin 8-34-221, dated 27 May 2003, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, provides approved instructions for incorporating ModSum 8Q101238 and 8Q101340.

B. Applicable to Aircraft Serial Numbers 591 through 598:

Incorporate ModSum 8Q101340 to correct static system hose length. Part B and Part C of Accomplishment Instructions of Bombardier Service Bulletin 8-34-221, dated 27 May 2003, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, provides approved instructions for incorporating ModSum 8Q101340.

Authorization: For Minister of Transport

R. William Taylor
Acting Chief, Continuing Airworthiness

Contact: Mr. Philip Tang, Continuing Airworthiness, Ottawa, telephone (613) 952-4379, facsimile (613) 996-9178 or e-mail tangp@tc.gc.ca or any Transport Canada Centre.