



No.	CF-2006-10	1/1
Issue Date	12 May 2006	

# 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-2006-10

**Subject:** Airworthiness Limitation Items

**Effective:** 15 June 2006

**Applicability:** Bombardier Inc. DHC-8 Aircraft, Models 400, 401 and 402, serial numbers 4001, 4003, 4004, 4006, 4008 through 4126.

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

**Background:** A revision has been made to the DHC-8-400 Maintenance Requirements Manual, Airworthiness Limitation Items (ALI). This revision incorporates additional inspection requirements for principal structural elements (PSEs) related to fuselage cutouts and revises an existing ALI task on the aft entry door with a lower threshold inspection.

The actions specified by this AD are to ensure that fatigue failure of these components will be detected and corrected since such fatigue cracking could adversely affect the structural integrity of the aircraft.

**Corrective Actions:** **Within sixty (60) days after the effective date of this directive, amend the Transport Canada-approved maintenance schedule by:**

1. Incorporating the additional structural inspection tasks, 532065F101, 532065F102, 532066F101, 532066F102 for Post Modsum 4-113458, 532066F103, 532067F101, 532067F102, 532067F103, 532068F101, 532068F102, 532069F101, 532069F102, 532069F103, 532070F101, 532070F102, 532071F101, 532072F101, 532072F102, 532073F101 and 532073F102 respectively as introduced by Temporary Revision, ALI-53 of Airworthiness Limitations Items (ALI) of the DHC-8-400 Maintenance Requirements Manual, PSM 1-84-7; and
2. Incorporating the revised structural task 521003F101 as introduced by Temporary Revision, ALI -54 of Airworthiness Limitations Items (ALI) of the DHC-8-400 Maintenance Requirements Manual, PSM 1-84-7.

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

B. Goyaniuk  
Chief, Continuing Airworthiness

**Contact:** Mr. Anthony Wan, Continuing Airworthiness, Ottawa, telephone 613-952-4410, facsimile 613-996-9178 or e-mail wana@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](http://www.tc.gc.ca/civilaviation/communications/centre/address.asp)

