



No.	CF-2012-17	1/2
Issue Date 24 May 2012		

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) 521 Division X**. 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-2012-17

Subject: Aft Entry & Aft Service Doors - Translating Door Handle Jamming

Effective: 7 June 2012

Applicability: Bombardier Inc. DHC-8 aeroplane models 400, 401, and 402, serial numbers 4001 through 4364

Compliance: As indicated below, unless already accomplished.

Background: There was one reported case of the translating door handle jamming on opening. It was found that the pin on the existing handle shaft could migrate and cause the translating door handle to jam. A jammed translating door handle could prevent the opening of the door and impede evacuation in the event of an emergency.

This AD mandates the installation of the single piece machined handle shaft (ModSum 4-113687) on the aft entry door and the aft service door, as well as the incorporation of the new Airworthiness Limitation (AWL) tasks introduced as a result of this ModSum.

Corrective Actions: **Part I - Incorporation of the Single Piece Machined Handle Shaft on the Aft Entry Door and the Aft Service Door**

Within 6000 hours air time or 36 months, whichever occurs first, from the effective date of this AD, incorporate ModSum 4-113687 (Machined Handle Shaft) on the aft entry door and the aft service door in accordance with the Accomplishment Instructions of Bombardier Service Bulletin (SB) 84-52-66, Revision A, dated 24 October 2011, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Incorporation of ModSum 4-113687 in accordance with SB 84-52-66, Initial Issue, dated 25 July 2011, also meets the requirements of Part I of this AD.

Part II - Revision of the Maintenance Schedule

Within 30 days from the effective date of this AD, revise the Transport Canada approved maintenance schedule by incorporating maintenance task numbers 521200-105 and 524100-105 introduced in Temporary Revision (TR) ALI-122 to Dash-8 Series 400 Maintenance Requirements Manual (MRM), PSM 1-84-7, Part 2, Section 1 Certification Maintenance Requirements.

Revision of Transport Canada approved maintenance schedule with maintenance task numbers 521200-105 and 524100-105 introduced by TR ALI-116, dated 29 July 2011, also meets the requirements of Part II of this AD.

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

Compliance in accordance with superseding TRs or later revisions of the AWL section of the MRM, approved by Transport Canada, also meets the requirements of Part II of this AD.

Authorization: For the Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Miss Helen Tsai, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail ADs@tc.gc.ca or any Transport Canada Centre.