

AD Number: **CF-2015-02**
Issue Date: **27 January 2015**

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-2015-02	Effective Date:	10 February 2015
ATA:	52	Type Certificate:	A-142
Subject:	Doors – Airstair Door Jammed due to Deformed Handrail Stowage Hardware		
Applicability:	Bombardier Inc. model DHC-8-400, -401, and -402 aeroplanes, serial numbers 4001 through 4473, equipped with Jetway Compatible Passenger Airstair Door Modsum 4-422100 or Modsum 4-458687.		

Compliance: As indicated below, unless already accomplished.

Background: A number of airstair door operation interruptions have been reported. In one case, the airstair door could not be opened. It was found that the airstair door handrail holder bracket was deformed and became lodged into the adjacent wardrobe bulkhead, which prevented the door from opening.

On airstair doors with Jetway Compatible option, a deformed handrail holder bracket or a failure of the pin retainer bracket can interfere with the operation of the airstair door and prevent it from opening.

The airstair door is classified as an emergency exit. The inability to open an emergency exit could impede evacuation in the event of an emergency.

This AD mandates the repetitive inspection of airstair door handrail hardware, and the modification of the handrail stowage hardware.

Corrective Actions:

Part I – Repetitive Inspection

Perform an inspection of the airstair door handrail hardware, and rectify as required, in accordance with Part A1 and Part A2 of the Accomplishments Instructions of Bombardier Service Bulletin (SB) 84-52-79, Revision A, dated 18 November 2014, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada, in accordance with the following schedule:

- A. Initially, within 600 hours air time from the effective date of this AD, and
- B. Subsequently, at intervals not to exceed 600 hours air time.

Part II – Terminating Action

Within 6000 hours air time or 36 months, whichever occurs first, from the effective date of this AD, incorporate ModSum 4-903234 to modify installed Jetway Compatible Handrail Stowage Bracket. Part A3 of the Accomplishment Instructions of Bombardier SB 84-52-79, Revision A, dated 18 November 2014, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada, provides approved instructions for incorporation of the above-mentioned ModSum.

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.

For all changes to your mailing address, contact your TC Regional Aircraft Registration Office at 1-800-305-2059, option 1 for English, 2 for Aircraft Registration and then select the appropriate region.

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Full document details: TC AD CF-2015-02 2015

Bombardier SB 84-52-79, Original Issue, dated 1 May 2014, also provides approved instructions for incorporation of the above-mentioned ModSum.

Part II of this AD constitutes terminating action to this AD. Part I of this AD is no longer required after accomplishment of Part II of this AD.

Authorization: For the Minister of Transport,

ORIGINAL SIGNED BY

Philip Tang
Acting Chief, Continuing Airworthiness

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

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