



# AIRWORTHINESS DIRECTIVE

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*This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.*

**Number:**

CF-2016-18

**Effective Date:**

20 June 2016

**ATA:**

52

**Type Certificate:**

A-142

**Subject:**

Doors – Operation of Translating Door Restricted due to Bearing Corrosion

**Applicability:**

Bombardier Inc. model DHC-8-400, -401 and -402 aeroplanes, serial numbers 4001, 4003 through 4488, which have not incorporated Bombardier Modsum IS4Q5200050 (Installation of an alternate bearing manufactured from either CRES or Karon material)

**Compliance:**

Within 6000 hours air time or 36 months, whichever comes first, from the effective date of this AD.

**Background:**

A number of translating fuselage door operation interruptions has been reported. In one case, the Aft Service door could not be opened. It was found that the door lift latch bearings had corroded, which prevented the door from opening.

The translating doors are classified as emergency exits. The inability to open an emergency exit could inhibit evacuation in the event of an emergency. This AD is issued to mandate a one-time inspection of the translating door bearings to check for corrosion, replace bearings if required, and apply Corrosion Inhibiting Compound (CIC).

**Corrective Actions:**

Inspect the translating door bearings and rectify as required, in accordance with the Accomplishment Instructions of Bombardier Service Bulletin (SB) 84-52-88, dated 14 April 2016, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada.

Accomplishment of Bombardier SB 84-52-85 dated 23 September 2015, or Revision A dated 22 January 2016, prior to the effective date of this AD, meets the requirements of this AD.

**Authorization:**

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 6 June 2016 2016

**Contact:**

Adil Chaudhry, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, facsimile 613-996-9178 or e-mail [AD-CN@tc.gc.ca](mailto:AD-CN@tc.gc.ca) or any Transport Canada Centre.