



No.	CF-2014-25	1/1
Issue Date 7 August 2014		

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-2014-25

ATA: 52 **Type Certificate:** A-177

Subject: Doors - Fuel Ingress into Aft Equipment Bay

Effective Date: 21 August 2014

Applicability: Bombardier Inc. models BD-700-1A10 and BD-700-1A11, serial numbers 9001 through 9476 and 9998.

Compliance: Within 24 months from the effective date of this AD, unless already accomplished.

Background: There have been two reports of fluid entry and accumulation in the aft equipment bay. The leaked fluid in the first incident was fuel and the fluid in the second incident was test dye. Further investigation revealed that leaked fluid from the aft fuel tank drain entered the bay through the slot in the door latch mechanism.

Flammable fluid entry and accumulation in the aft equipment bay, in excessive quantities, could exceed safe levels maintained by the drainage and ventilation system.

Bombardier Inc. has issued several Service Bulletins (SB) to modify the Aft Equipment Bay by installing a cover to the door latch mechanism in order to reduce the risk of fuel entry into it. This AD mandates the incorporation of the applicable Bombardier Inc. SBs to rectify this problem.

Corrective Actions: Modify the Aft Equipment Bay by incorporating the applicable Bombardier Inc. SBs as shown in the table below:

Aeroplane Model	Applicable Service Bulletins
BD-700-1A10	700-52-042 Basic Issue dated 29 March 2012, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada, or 700-52-6007 Basic Issue dated 29 March 2012, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada.
BD-700-1A11	700-1A11-52-019 Basic Issue dated 29 March 2012, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada, or 700-52-5007 Basic Issue dated 29 March 2012, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization: For the Minister of Transport,

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Robin Lau, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail AD-CN@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