



AD Number: **CF-2015-03**
Issue Date: **13 March 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-2015-03 **Effective Date:** 26 March 2015
ATA: 52 **Type Certificate:** A-177
Subject: Doors - Passenger Door External Handle Detent Seizure
Applicability: Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9002 through 9515 and 9998.
Compliance: Within 15 months from the effective date of this AD, unless already accomplished.
Background: There have been reports where operators experienced an inability to open the main passenger door following severe hot soak conditions.

Investigation determined that the nylon slider in the plunger assembly of the door handle is susceptible to thermal expansion and permanent deformation at severe hot soak conditions, creating high friction between the spring pot housing and the slider.

This condition, if not corrected, could result in an inability to open the main passenger door and could impede evacuation in the event of an emergency.

This AD mandates the incorporation of a new configuration to the passenger door external handle detent to enhance the performance across the full range of the aeroplanes operating temperatures.

Corrective Actions:

Incorporate the new configuration of the Passenger Door External Handle Detent (Bombardier Modsum 700T901209). Applicable Bombardier Service Bulletins (SBs), or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, as shown in the table below, provide approved instructions for incorporating Modsum 700T901209:

Aircraft Model	Applicable Service Bulletins
BD-700-1A10	700-52-044, Revision 01, dated 3 February 2015, or 700-52-6008, Revision 01, dated 3 February 2015
BD-700-1A11	700-1A11-52-021, Revision 01, dated 3 February 2015, or 700-52-5008, Revision 01, dated 3 February 2015

Basic Issue, dated 9 November, 2012, of the above-mentioned SBs also provide approved instructions for incorporation of Bombardier Modsum 700T901209.

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.