



適航指令發布單
Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2023-04-008	發布日期 Date issued	2023/4/20
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9002 through 60065.		
主旨摘要 Subject	Doors - Passenger Door - Detent Mechanism Aircraft Maintenance Manual (AMM) Procedure		
民航局 CAA <input type="checkbox"/> 本國產品 Native product <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authority <input type="checkbox"/> FAA <input type="checkbox"/> EASA <input type="checkbox"/> Brazil <input checked="" type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> DGAC <input type="checkbox"/> Germany LBA <input type="checkbox"/> CAA-NL <input type="checkbox"/> UK CAA <input type="checkbox"/> Japan CAB <input type="checkbox"/> CAA of Israel <input type="checkbox"/> Other _____		
	設計國 AD 編號 Original AD number	CF-2023-25	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	ATA 52. Ref. Use AMM Task 52-11-00-720-801, dated 16 August 2022, or later revisions of this task when performing TLMC Item 52-11-00-201.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw			



AIRWORTHINESS DIRECTIVE

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) with ADs.

Number:

CF-2023-25

Effective Date:

27 April 2023

ATA:

52

Type Certificate:

A-177

Subject:

Doors – Passenger Door – Detent Mechanism Aircraft Maintenance Manual (AMM) Procedure

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9002 through 60065.

Compliance:

Within 30 days from the effective date of this AD, unless already accomplished.

Background:

Bombardier Inc. discovered that Time Limited Maintenance Check (TLMC) Item 52-11-00-201 – Functional Test of the Passenger Door Mechanism, does not detect latent failures of the passenger door detent mechanisms. The associated AMM Task 52-11-00-720-801 – Functional Test of the Passenger Door Mechanism, does not contain inspection instructions for the passenger door detent mechanisms.

Latent failures of the uninspected detents (external handle detent and torque tube detent) in combination with a failure of the tension pot spring assembly, can lead to the opening of the main passenger door in unpressurized flight.

Bombardier has revised the affected AMM Task 52-11-00-720-801 – Functional Test of the Passenger Door Mechanism, to add the inspection of the external handle detent, the inspection of the torque tube detent, and instructions to measure the force applied on both the external handle and the internal handle to open the door.

This AD prohibits the use of previous versions of AMM Task 52-11-00-720-801 and mandates the use of the revised AMM task when performing TLMC Item 52-11-00-201.

Corrective Actions:

- A. Use AMM Task 52-11-00-720-801, dated 16 August 2022, or later revisions of this task when performing TLMC Item 52-11-00-201.
- B. It is prohibited to use AMM Task 52-11-00-720-801, dated 19 May 2022 or earlier.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 13 April 2023

Contact:

Christopher Banken, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.