



## 適航指令發布單

### Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2022-04-005	發布日期 Date issued	2022/4/20
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70020 through 70039, 70041, 70046 and 70047.		
主旨摘要 Subject	Fuselage - Aft Fuselage Structure - Fasteners Missing		
<div style="text-align: center;">民航局 CAA</div> <input type="checkbox"/> 本國產品 Native product  <input type="checkbox"/> 其他個案 Other	<div style="text-align: center;">設計國民航主管機構 Original Authority</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> FAA  <input type="checkbox"/> EASA  <input type="checkbox"/> Brazil  <input checked="" type="checkbox"/> Transport Canada Civil Aviation  <input type="checkbox"/> DGAC           </div> <div style="width: 45%;"> <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 _____           </div> </div>		
	設計國 AD 編號 Original AD number	CF-2022-17	
	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 53. Ref. Bombardier Service Bulletin 700?53?7547, Basic Issue, dated 21 July 2021, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.		
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： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a> 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： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a>			



# 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-2022-17

**Effective Date:**

27 April 2022

**ATA:**

53

**Type Certificate:**

A-177

**Subject:**

Fuselage – Aft Fuselage Structure – Fasteners Missing

**Applicability:**

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70020 through 70039, 70041, 70046 and 70047.

**Compliance:**

Within 32 months from the effective date of this AD, unless already accomplished.

**Background:**

It has been disclosed that three fasteners, attaching the fuselage skin to stringer 19 between fuselage station (FS) FS945.75 and FS961.45, may be missing. Under compressive loads, missing fasteners may subject the skin to inter-rivet buckling, creating a hazard of permanent deformation and/or cracking of the skin. The affected area of the fuselage is a build-up of skin, stringers, and frames, and is identified as a principal structural element for which missing fasteners could significantly reduce safety margins.

This AD requires the inspection for missing fasteners and damage. This AD also requires repair of damage if found, and if fasteners are missing, installation of fasteners.

**Corrective Actions:**

Inspect for missing fasteners and damage, repair damage found, and install fasteners if required, in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 700-53-7547, Basic Issue, dated 21 July 2021, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Authorization:**

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 13 April 2022

**Contact:**

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