



**適航指令發布單**  
**Airworthiness Directive Issuance Form**

民航局 AD 編號 AD number	CAA-2020-10-009	發布日期 Date issued	2020/10/14
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Bombardier Inc. model BD-700-1A10 aeroplanes, serial numbers 9657 through 9844.		
主旨摘要	Fuel - Refuel Defuel Tube - Mislocated Bracket Assembly		
民航局 CAA <input type="checkbox"/> 本國產品 Native products  <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <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-2020-37	
	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) : _____ <input type="checkbox"/>		
	2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do <input type="checkbox"/> 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 28. Ref. Service Bulletin 700-28-6006, Basic Issue <input type="checkbox"/> dated 1 June 2020 or later revisions		
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)2349-6331~3, 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)2349-6331~3, Fax:(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a>			



# 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) with ADs.*

**Number:**

CF-2020-37

**Effective Date:**

23 October 2020

**ATA:**

28

**Type Certificate:**

A-177

**Subject:**

Fuel – Refuel Defuel Tube – Mislocated Bracket Assembly

**Applicability:**

Bombardier Inc. model BD-700-1A10 aeroplanes, serial numbers 9657 through 9844.

**Compliance:**

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

**Background:**

During installation, a fuel pipe bracket assembly on the intermediate rib in the centre fuel tank was mislocated resulting in an offset between the fitting assembly and the refuel defuel tube assembly. The offset could apply a preload on the fuel pipes reducing their ability to absorb shock or vibration induced loads as well as making the tube and clamp more prone to stress corrosion cracking. This condition, if not corrected, could lead to failure of the coupling and/or the bracket and p-clamp assembly resulting in fuel leakage and loss of electrical bonding between fuel pipes. Lightning induced sparking could induce fuel ignition.

This AD mandates the inspection and correction of the fuel pipe and fuel pipe bracket installation to address the unsafe condition.

**Corrective Actions:**

For the purpose of this AD “the SB” refers to Bombardier Service Bulletin (SB) 700-28-6006, Basic Issue dated 1 June 2020 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Inspect the fuel pipe and fuel pipe bracket assembly and correct their installation in accordance with Sections 2.B and 2.C of the Accomplishment Instructions of the SB.

**Authorization:**

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 9 October 2020

**Contact:**

Brian Daly, Continuing Airworthiness, Ottawa, telephone 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.