



# 適航指令發布單

## Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2023-07-004	發布日期 Date issued	2023/7/24
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Bombardier Inc. model CL-600-2B16 aeroplanes, serial numbers 5775 through 5990 and 6050 through 6178.		
主旨摘要 Subject	Fuel - Fouling Condition between Fuel Scupper Attachment Bolt and Wire Harness		
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 <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <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: 48%;"> <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-2023-55	
	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 28 please see Table 1 - SB References.		
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-2023-55

**Effective Date:**

1 August 2023

**ATA:**

28

**Type Certificate:**

A-131

**Subject:**

Fuel – Fouling Condition between Fuel Scupper Attachment Bolt and Wire Harness

**Applicability:**

Bombardier Inc. model CL-600-2B16 aeroplanes, serial numbers 5775 through 5990 and 6050 through 6178.

**Compliance:**

As indicated below, unless already accomplished.

**Background:**

During aeroplane refueling, a spark was seen when the fuel cap chain contacted one of the fuel scupper bolts. An inspection was performed and one of the fourteen bolts that surround the fuel inlet was found touching an electrical wire behind the scupper. Due to vibrations during flight, the bolt damaged the wire insulation and when the bolt was grounded to the airframe a spark was generated.

This condition, if not corrected, could lead to electrical sparks during refueling resulting in a fire hazard. This AD requires the inspection of the affected wire bundle and repair if necessary, and the removal of one of the fuel scupper attachment bolts.

**Corrective Actions:**

**Part I – Inspection of Electrical Wires**

Within 48 months from the effective date of this AD, visually inspect the electrical wires attached to the aeroplane connector located behind the fuel scupper in accordance with Section 2.B of the Accomplishment Instructions of the applicable Bombardier Service Bulletin (SB) referenced in Table 1 below.

**Part II – Repair of Electrical Wires and Removal of Fuel Scupper Attachment Bolts**

If electrical wires are not damaged, before further flight, re-install the fuel scupper in accordance with Section 2.C of the Accomplishment Instructions of the applicable Bombardier (SB) referenced in Table 1 below.

If electrical wires are damaged, before further flight, repair the damaged wires and re-install the fuel scupper in accordance with Section 2.D of the Accomplishment Instructions of the applicable Bombardier (SB) referenced in Table 1 below.

**Table 1 – SB References**

<b>Aeroplane Model (Marketing Designation)</b>	<b>Aeroplane Serial Number</b>	<b>Applicable Bombardier SB</b>
CL-600-2B16 (Challenger 605)	5775 through 5990	605-28-014, Basic Issue dated 10 May 2023 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada
CL-600-2B16 (Challenger 650)	6050 through 6178	650-28-003, Basic Issue dated 10 May 2023 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Jenny Young  
Chief, Continuing Airworthiness  
Issued on 18 July 2023

**Contact:**

Danilo Verrelli, 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.