



## 適航指令發布單

### Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2022-07-009	發布日期 Date issued	2022/7/20
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 70032, 70047 through 70056, 70058 through 70061 and 70063 through 70075.		
主旨摘要 Subject	Pneumatic - Discrepant Fastener Used in Pre-Cooler Clamp Installation		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">           民航局 CAA <input type="checkbox"/> 本國產品 Native product   <input type="checkbox"/> 其他個案 Other         </div> <div style="width: 70%;"> <div style="text-align: center;">設計國民航主管機構 Original Authority</div> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <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: 50%;"> <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> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">設計國 AD 編號 Original AD number</div> <div style="width: 40%;">CF-2022-39</div> </div>		
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 36. Ref. Bombardier Service Bulletin 700-36-7504 Basic Issue, dated 27 June 2022, 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)2349-6330 / 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-2022-39

**Effective Date:**

1 August 2022

**ATA:**

36

**Type Certificate:**

A-177

**Subject:**

Pneumatic – Discrepant Fastener Used in Pre-Cooler Clamp Installation

**Applicability:**

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70032, 70047 through 70056, 70058 through 70061 and 70063 through 70075.

**Compliance:**

Within 36 months from the effective date of this AD, unless already accomplished.

**Background:**

Bombardier Inc. received a disclosure letter from the supplier advising that certain pre-cooler clamp assemblies securing the ducting connection on the environmental control system (ECS) pre-cooler inlet assembly may not conform to drawing. If left uncorrected, the clamp may fail and cause excessive leakage at that connection. This could lead to increased operating temperatures in climate-controlled zones, or, in combination with other failures, a complete loss of the ECS.

To address this unsafe condition, this AD requires an inspection of the pre-cooler clamps and replacement of non-conforming pre-cooler clamps as required.

**Corrective Actions:**

Inspect and replace as applicable the pre-cooler clamps in accordance with the Accomplishment Instructions of Bombardier Service Bulletin (SB) 700-36-7504 Basic Issue, dated 27 June 2022, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

**Authorization:**

For the Minister of Transport,

ORIGINAL SIGNED BY

Robert Ferguson  
Acting Directeur, National Aircraft Certification  
Issued on 18 July 2022

**Contact:**

Barry Devereux, 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.