



## 適航指令發布單

### Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2022-02-015	發布日期 Date issued	2022/3/1
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 70006, 70007, 70009 through 70019, 70021 through 70029, and 70031.		
主旨摘要 Subject	Pneumatic - Air System - Wing Ice Protection System (WIPS) Duct Clearance Low Through Fuselage		
<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-2022-05	
	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. Service Bulletin 700-36-7502 Basic Issue, dated 28 October 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)2349-6330 / 6332, Fax：(02)2545-8464, e-mail：  
[adcaa@mail.caa.gov.tw](mailto: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](mailto: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-2022-05

**Effective Date:**

10 March 2022

**ATA:**

36

**Type Certificate:**

A-177

**Subject:**

Pneumatic – Air System – Wing Ice Protection System (WIPS) Duct Clearance Low Through Fuselage

**Applicability:**

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70006, 70007, 70009 through 70019, 70021 through 70029, and 70031.

**Compliance:**

Within 21 months from the effective date of this AD, unless already accomplished.

**Background:**

It was discovered in production that insufficient clearance exists between the surrounding structure/skin of the aircraft and select bleed air ducts that supply the wing ice protection system (WIPS) in the rear fuselage on the aircraft. Without sufficient clearance, the high pressure (HP) shroud could interfere with the surrounding structures and possibly compromise the HP ducting shroud's capability to provide bleed air leak routing, which could result in a bleed air leak being undetected. A significant undetected bleed air leak could expose the surrounding structure to heat stress, resulting in reduced structural integrity of the aeroplane.

This AD mandates inspection of the bleed air duct and surrounding structure, adjustment of the ductwork if clearance is below the minimum required and correction of any bleed air duct and surrounding structure damage before further flight.

**Corrective Actions:**

Inspect the affected bleed air ducts and adjust as required, repairing any damage as required, in accordance with the Accomplishment Instructions of Bombardier Service Bulletin (SB) 700-36-7502 Basic Issue, dated 28 October 2020 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 24 February 2022

**Contact:**

Natasa Mudrinic, 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.