



適航指令發布單

Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2018-08-001	發布日期 Date issued	2018/8/7
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9001 through 9831, and 9998.		
主旨摘要	the Variable Frequency Generator (VFG) cables and hydraulic/fuel lines in the Aft Equipment Bay - Inspection / Replacement / Modification		
<div style="text-align: center;">民航局 CAA</div> <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	<div style="text-align: center;">設計國民航主管機構 Original Authorities</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-2018-22	
	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) <div style="margin-left: 40px;"> 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) : _____ </div>		
	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 24. Ref. BD-700-1A10 700-24-089, Basic Issue 25 April 2018 and BD-700-1A10 700-24-6014, Basic Issue 25 April 2018 and BD-700-1A11 700-1A11-24-028, Basic Issue 25 April 2018 and BD-700-1A11 700-24-5014, Basic Issue 25 April 2018.		
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： 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)2349-6331~3, Fax：(02)2545-8464, e-mail： 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) to ADs.

Number:

CF-2018-22

Effective Date:

16 August 2018

ATA:

24

Type Certificate:

A-177

Subject:

Electrical Power - Variable Frequency Generator Harness Low Clearance to Hydraulic/Fuel Lines

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9001 through 9831, and 9998.

Compliance:

Within 24 months from the effective date of this AD, unless already accomplished.

Background:

Several aircraft have been discovered with low clearance between the Variable Frequency Generator (VFG) cables and hydraulic/fuel lines in the Aft Equipment Bay which may lead to chafing between the VFG cables and the hydraulic/fuel lines. Chafing may result in damage that could lead to a hydraulic/fuel leak and electrical arcing as an ignition source. This condition, if not corrected, could result in an in-flight fire.

This AD mandates a modification to the routing of the VFG power feeder cables and harnesses, to ensure the required clearance between the VFG cables and hydraulic/fuel lines in the Aft Equipment Bay.

Corrective Actions:

Modify the routing of the VFG cables and hydraulic/fuel lines in accordance with the accomplishment instructions of the applicable Bombardier Service Bulletin (SB) listed in the table below, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Aeroplane Model	Bombardier SB	Date
BD-700-1A10	700-24-089, Basic Issue	25 April 2018
BD-700-1A10	700-24-6014, Basic Issue	25 April 2018
BD-700-1A11	700-1A11-24-028, Basic Issue	25 April 2018
BD-700-1A11	700-24-5014, Basic Issue	25 April 2018

Aeroplanes that have incorporated SB 700-24-6014 through Bombardier Inc. Service Request for Product Support Action (SRPSA) 000236314 have met the intent of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 2 August 2018

Contact:

Brian Daly, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.