



適航指令發布單

Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2022-07-012	發布日期 Date issued	2022/7/26
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 9002 through 9879, 9998 and 60001 and subsequent.		
主旨摘要 Subject	Wings - Revised Non-Destructive Testing Manual Procedure for Airworthiness Limitation Task Number 57-51-00-109		
<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-2022-40	
	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 57. Ref. NDTM Procedure ET-57-51-009, dated 1 March 2022 or later, when performing AWL Task Number 57-51-00-109.		
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 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			



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-2022-40

Effective Date:

4 August 2022

ATA:

57

Type Certificate:

A-177

Subject:

Wings – Revised Non-Destructive Testing Manual Procedure for Airworthiness Limitation Task Number 57-51-00-109

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9002 through 9879, 9998 and 60001 and subsequent.

Compliance:

As of the effective date of this AD, unless already accomplished.

Background:

Bombardier Inc. discovered that Non-Destructive Testing Manual (NDTM) procedure ET-57-51-009 did not contain all of the necessary instructions to fulfill the inspection requirements of its associated airworthiness limitation (AWL), which requires a special detailed inspection of the inboard, mid, and outboard flap metallic end ribs. If the inspection requirements of this AWL are not fully satisfied, there is a potential that cracks, which may have developed in this area, will go undetected. This can result in structural failure of the flap, which is considered to be an unsafe condition. Bombardier Inc. has revised the affected NDTM procedure to ensure that the inspection requirements of its associated AWL are satisfied. This AD prohibits use of the previous incomplete NDTM procedure and mandates use of the revised complete NDTM procedure in order to ensure that the safety objectives of its associated AWL are met.

Corrective Actions:

- A. Use NDTM Procedure ET-57-51-009, dated 1 March 2022 or later, when performing AWL Task Number 57-51-00-109.
- B. It is prohibited to use NDTM Procedure ET-57-51-009, dated 6 May 2019 or earlier, when performing AWL Task Number 57-51-00-109.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Robert Ferguson
Acting Director, National Aircraft Certification
Issued on 21 July 2022

Contact:

Hilary Ross, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.