



適航指令發布單

Airworthiness Directive Issuance Form

民航局AD編號 AD number	CAA-2025-01-017	發布日期 Date issued	2025/01/22												
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Bombardier Inc. model CL-600-2A12 and CL-600-2B16 aeroplanes, all serial numbers.														
主旨摘要 Subject	Auxiliary Power Unit (APU) - APU Muffler Drainage Blockage Causing Fuel Leakage Accumulation														
民航局 CAA <input type="radio"/> 本國產品 Native product <input type="radio"/> 其他個案 Other	設計國民航主管機構 Original Authority <table><tr><td><input type="radio"/> FAA</td><td><input type="radio"/> Germany LBA</td></tr><tr><td><input type="radio"/> EASA</td><td><input type="radio"/> CAA-NL</td></tr><tr><td><input type="radio"/> Brazil</td><td><input type="radio"/> UK CAA</td></tr><tr><td><input checked="" type="radio"/> Transport Canada Civil Aviation</td><td><input type="radio"/> Japan CAB</td></tr><tr><td><input type="radio"/> DGAC</td><td><input type="radio"/> CAA of Israel</td></tr><tr><td></td><td><input type="radio"/> Other_____</td></tr></table>			<input type="radio"/> FAA	<input type="radio"/> Germany LBA	<input type="radio"/> EASA	<input type="radio"/> CAA-NL	<input type="radio"/> Brazil	<input type="radio"/> UK CAA	<input checked="" type="radio"/> Transport Canada Civil Aviation	<input type="radio"/> Japan CAB	<input type="radio"/> DGAC	<input type="radio"/> CAA of Israel		<input type="radio"/> Other_____
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<input type="radio"/> DGAC	<input type="radio"/> CAA of Israel														
	<input type="radio"/> Other_____														
	設計國AD編號 Original AD number	CF-2025-06													
	1. 直接採用原AD之內容? (Is the original AD directly adopted?) <input checked="" type="radio"/> 是(Yes) <input type="radio"/> 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="radio"/> 需要(Yes) <input checked="" type="radio"/> 不需要(No)														
備註 Note	ATA 49. Please refer to Table 1 - Aeroplane Model TLMC Manual 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,

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 Aviation Administration on Tel：(02)2349-6330 / 6332,

Fax：(02)2545-8464, 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-2025-06

Effective Date:

3 February 2025

ATA:

49

Type Certificate:

A-131

Subject:

Auxiliary Power Unit (APU) – APU Muffler Drainage Blockage Causing Fuel Leakage Accumulation

Applicability:

Bombardier Inc. model CL-600-2A12 and CL-600-2B16 aeroplanes, all serial numbers.

Compliance:

As indicated below, unless already accomplished.

Background:

In September 2021, the crew of a Challenger aeroplane started the APU during the approach and allowed it to run for approximately 10-minutes after landing. When the crew shut the APU down, an APU FIRE warning message was posted on EICAS. The APU fire suppression was discharged; however, the fire was not fully extinguished following the discharge of the fire bottles.

Upon further investigation, it was discovered that a fuel solenoid valve was leaking, and the APU muffler drainage was blocked leading to an accumulation of fuel in the muffler. The fuel in the APU muffler was ignited by the high temperature exhaust gases in the muffler. This condition if not corrected, could lead to an uncontrolled fire in the APU bay.

This AD requires a functional test to verify APU muffler drainage.

Corrective Actions:

Within the thresholds and repeat intervals identified within the tasks, complete the functional test of the APU Muffler Drain in accordance with the new limitation contained in Airworthiness Limitation (AWL) section of the Bombardier Time Limits/Maintenance Checks (TLMC) publications identified in Table 1 below as applicable to the aeroplane model and configuration.

Compliance with superseding Temporary Revisions (TR) affecting this task or later revisions of the applicable TLMC approved by Transport Canada also meets the intent of this AD.

Table 1 – Aeroplane Model TLMC Manual Revisions

Aeroplane Model (Marketing Designation)	TLMC Manual	TLMC Section	TLMC TR
CL-600-2A12 (Challenger 601)	PSP 601-5	5-10-30	TR# 5-271 Issued 30 September, 2024
CL-600-2B16 (Challenger 601-3A/3R Variants)	PSP 601A-5	5-10-30	TR# 5-285 Issued 30 September, 2024

CL-600-2B16 (Challenger 604 Variant)-Challenger 604	CL-604	5-10-40	TR# 5-2-74 Issued 28 June, 2024
CL-600-2B16 (Challenger 604 Variant)-Challenger 605	CL-605	5-10-40	TR# 5-2-30 Issued 28 June, 2024
CL-600-2B16 (Challenger 604 Variant)-Challenger 650	CL-650	5-10-40	TR# 5-2-6 Issued 28 June, 2024

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 20 January 2025

Contact:

Danilo Verrelli, 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.