



**適航指令發布單**  
**Airworthiness Directive Issuance Form**

民航局 AD 編號 AD number	CAA-2023-02-009	發布日期 Date issued	2023/3/2
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Bell Helicopter Textron Canada Limited (Bell) model 407 helicopters, serial numbers 54832 through 54931, 54933 through 54939, and 54942 through 54954.		
主旨摘要 Subject	Fuel System - Standpipe Assembly Sharp Edges Leading to Fuel Quantity Wiring Harness Chafing		
民航局 CAA <input type="checkbox"/> 本國產品 Native product  <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authority <input type="checkbox"/> FAA <span style="margin-left: 150px;"><input type="checkbox"/> Germany LBA</span> <input type="checkbox"/> EASA <span style="margin-left: 150px;"><input type="checkbox"/> CAA-NL</span> <input type="checkbox"/> Brazil <span style="margin-left: 150px;"><input type="checkbox"/> UK CAA</span> <input checked="" type="checkbox"/> Transport Canada Civil Aviation <span style="margin-left: 150px;"><input type="checkbox"/> Japan CAB</span> <input type="checkbox"/> DGAC <span style="margin-left: 150px;"><input type="checkbox"/> CAA of Israel</span> <input type="checkbox"/> Other _____		
	設計國 AD 編號 Original AD number	CF-2023-11	
	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 28. Ref. Bell Alert Service Bulletin 407-21-124 Initial Release, dated 1 February 2022.		
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

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*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-2023-11

**Effective Date:**

9 March 2023

**ATA:**

28

**Type Certificate:**

H-92

**Subject:**

Fuel System – Standpipe Assembly Sharp Edges Leading to Fuel Quantity Wiring Harness Chafing Condition

**Applicability:**

Bell Helicopter Textron Canada Limited (Bell) model 407 helicopters, serial numbers 54832 through 54931, 54933 through 54939, and 54942 through 54954.

**Compliance:**

Within 300 hours air time or 6 months, whichever occurs first, from the effective date of this AD, unless already accomplished.

**Background:**

Bell was made aware of a quality escape of the fuel system standpipe assembly, part number (P/N) 407-062-032-103, where the standpipes may have been delivered with sharp edges at the internal weld joints.

If not corrected, this condition could lead to fuel quantity system wiring damage, loss of or erratic fuel quantity indication or a potential for fuel tank ignition.

**Corrective Actions:**

- A. Inspect the fuel system standpipe assembly, P/N 407-062-032-103, and fuel quantity harness assembly, in accordance with the Accomplishment Instructions specified in Bell Alert Service Bulletin (ASB) 407-21-124 Initial Release, dated 1 February 2022, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. If sharp edges are present in the standpipe, before further flight, rework the fuel system standpipe assembly, P/N 407-062-032-103, in accordance with the Accomplishment Instructions specified in Bell ASB 407-21-124 Initial Release, dated 1 February 2022, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- C. If damage is found on the fuel quantity harness assembly, before further flight, contact Bell for a review and disposition instructions, in accordance with the Accomplishment Instructions specified in Bell ASB 407-21-124 Initial Release, dated 1 February 2022, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada. The disposition instructions provided by Bell for serviceable harnesses must be accomplished before further flight, in accordance with the instructions provided. Unserviceable harnesses must be replaced before further flight.

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Jenny Young  
Chief, Continuing Airworthiness  
Issued on 23 February 2023

**Contact:**

Grant Walker, 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.