



## 適航指令發布單

### Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2023-01-010	發布日期 Date issued	2023/1/19
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 9998 and 60001 through 60068.		
主旨摘要 Subject	Landing Gear - Nose Landing Gear - Steering Shutoff Valve Slow to Deactivate		
<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-2023-02	
	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	Please see Table 1: SB References		

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

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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-2023-02

**Effective Date:**

25 January 2023

**ATA:**

32

**Type Certificate:**

A-177

**Subject:**

Landing Gear – Nose Landing Gear – Steering Shutoff Valve Slow to Deactivate

**Applicability:**

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9002 through 9998 and 60001 through 60068.

**Compliance:**

Within 66 months or 3200 hours air time, whichever occurs first, from the effective date of this AD, unless already accomplished.

**Background:**

Following a runway excursion on an aeroplane of a different model, an investigation revealed that the nose wheel steering selector valve (SSV) can be slow to deactivate under low temperature conditions. A similar SSV is installed on the aeroplanes subject to this AD. In the event of an un-commanded steering input, a slow SSV deactivation could lead to a delayed transition to free castor mode and result in an aircraft runway excursion.

To correct this unsafe condition, this AD mandates the replacement of the affected SSV with a re-designed SSV, which has an improved response time.

**Corrective Actions:**

- A. Replace the SSV part number (P/N) 23600-101 with SSV P/N 23600-103 in accordance with the Accomplishment Instructions of the applicable Bombardier Service Bulletin (SB) listed in Table 1 below, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. This paragraph gives credit for the completion of the SSV replacement, indicated in Paragraph A of this AD, before the effective date of this AD, in accordance with the Accomplishment Instructions of the applicable Bombardier SBs listed in Table 1 below at the Basic Issue, dated 24 November 2022.

**Table 1: SB References**

<b>Aeroplane Model</b>	<b>Bombardier SB</b>	<b>Issue Date</b>
BD-700-1A10	700-32-044, Revision 1	7 December 2022
BD-700-1A10	700-32-6021, Revision 1	7 December 2022
BD-700-1A10	700-32-6507, Revision 1	7 December 2022
BD-700-1A11	700-1A11-32-031, Revision 1	7 December 2022
BD-700-1A11	700-32-5021, Revision 1	7 December 2022
BD-700-1A11	700-32-5507, Revision 1	7 December 2022

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Jenny Young  
Chief, Continuing Airworthiness  
Issued on 11 January 2023

**Contact:**

Christopher Banken, 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.