



## 適航指令發布單

## Airworthiness Directive Issuance Form

民航局AD編號 AD Number	CAA-2016-03-007	發布日期 Date issued	2016/3/7												
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 (S/Ns) 9002 and subsequent.														
主旨摘要	Flight Controls - Aileron & Rudder Control System - Cable Tension Relaxation														
民航局 CAA  <input type="checkbox"/> 本國產品 Native products  <input type="checkbox"/> 其他個案 Other	設計國民航主關機構 Original Authorities <table border="0"> <tr> <td><input type="checkbox"/> FAA</td> <td><input type="checkbox"/> Germany LBA</td> </tr> <tr> <td><input type="checkbox"/> EASA</td> <td><input type="checkbox"/> CAA-NL</td> </tr> <tr> <td><input type="checkbox"/> Brazil</td> <td><input type="checkbox"/> UK CAA</td> </tr> <tr> <td><input checked="" type="checkbox"/> Transport Canada Civil Aviation</td> <td><input type="checkbox"/> Japan CAB</td> </tr> <tr> <td><input type="checkbox"/> DGAC</td> <td><input type="checkbox"/> CAA of Israel</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Other _____</td> </tr> </table>			<input type="checkbox"/> FAA	<input type="checkbox"/> Germany LBA	<input type="checkbox"/> EASA	<input type="checkbox"/> CAA-NL	<input type="checkbox"/> Brazil	<input type="checkbox"/> UK CAA	<input checked="" type="checkbox"/> Transport Canada Civil Aviation	<input type="checkbox"/> Japan CAB	<input type="checkbox"/> DGAC	<input type="checkbox"/> CAA of Israel		<input type="checkbox"/> Other _____
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	<input type="checkbox"/> Other _____														
	設計國AD編號 Original AD number	CF-2016-06													
	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	Certification Maintenance Requirement (CMR) Tasks 27-11-35-101, 27-11-35-102, and 27-21-27-101.														
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-2016-06

**Effective Date:**

11 March 2016

**ATA:**

27

**Type Certificate:**

A-177

**Subject:**

Flight Controls - Aileron & Rudder Control System - Cable Tension Relaxation

**Applicability:**

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers (S/Ns) 9002 and subsequent.

**Compliance:**

As indicated below, unless already accomplished.

**Background:**

Recent in-service inspections have shown that aileron and rudder control cables may have tensions beyond allowable limits. Review of the technical documentation found that there are no maintenance tasks to detect and rectify out-of-tolerance tensions on these cables. Out of tolerance cables in combinations with certain system failures and environmental conditions could result in the degraded aircraft controllability.

This AD was issued to mandate a revision to the approved maintenance schedule to introduce cable tension check tasks.

**Corrective Actions:**

**Part I – Time Limits/Maintenance Checks (TLMC) - Manual Change**

Within 30 days from the effective date of this AD, amend the Transport Canada approved maintenance schedule by inserting the Certification Maintenance Requirement (CMR) Tasks as follows:

Aeroplane Models	TLMC Task Number	TLMC Manual Number	Temporary Revision (TR) Number	Date
BD-700-1A10	27-11-35-101	GL 700 TLMC	TR 5-2-47	24 Nov 2015
	27-11-35-102	GL XRS TLMC	TR 5-2-10	24 Nov 2015
	27-21-27-101	GL 6000 TLMC	TR 5-2-15	24 Nov 2015
BD-700-1A11	27-11-35-101	GL 5000 TLMC	TR 5-2-16	24 Nov 2015
	27-11-35-102	GL 5000 GVFD TLMC	TR 5-2-15	24 Nov 2015
	27-21-27-101			

Compliance with superseding TRs or later revisions of the affected sections of the above-mentioned TLMC Manual approved by Transport Canada also meets the requirements of Part I of this AD.

## **Part II – Inspection of the Aileron and Rudder Control Cable Tension**

- A. For aeroplanes S/Ns 9002 through 9694, and 9998 within 15 months from the effective date of this AD, accomplish the CMR Tasks 27-11-35-101, 27-11-35-102, and 27-21-27-101. Thereafter, follow the Task Intervals specified in the TLMC Manual.
- B. For aeroplanes S/Ns 9695 and subsequent, excluding 9998, within 30 months from the effective date of this AD, accomplish the CMR Tasks 27-11-35-101, 27-11-35-102, and 27-21-27-101. Thereafter, follow the Task Intervals specified in the TLMC Manual.
- C. Aeroplanes S/Ns 9695 and subsequent, excluding 9998, that may have had aileron and/or rudder control cable replacement and did not rig the aileron and/or rudder control cables per the AMM revisions listed in the table below, or superseding TRs, or their later revisions, within 15 months from the effective date of this AD, accomplish the CMR Tasks 27-11-35-101, 27-11-35-102, and 27-21-27-101. Thereafter, follow the Task Intervals specified in the TLMC Manual.

<b>Aeroplane Models</b>	<b>AMM Manual Number</b>	<b>Revision Number</b>	<b>Date</b>
BD-700-1A10	GL 700 AMM	Revision 67	6 Aug 2015
	GL XRS AMM	Revision 45	6 Aug 2015
	GL 6000 AMM	Revision 15	6 Aug 2015
BD-700-1A11	GL 5000 AMM	Revision 48	6 Aug 2015
	GL 5000 GVFD AMM	Revision 15	6 Aug 2015

### **Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 26 February 2016

### **Contact:**

Gordanko Jeremic, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, facsimile 613-996-9178 or e-mail [AD-CN@tc.gc.ca](mailto:AD-CN@tc.gc.ca) or any Transport Canada Centre.