



# 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-2016-06R1

**Effective Date:**

25 July 2016

**ATA:**

27

**Type Certificate:**

A-177

**Subject:**

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

**Revision:**

Supersedes AD CF-2016-06, issued 26 February 2016.

**Applicability:**

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers (S/Ns) 9002 through 9743 and 9998.

**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.

The original issue of this AD was issued to mandate a revision to the approved maintenance schedule to introduce cable tension check tasks.

Revision 1 of this AD is issued to change the Applicability section taking into account the incorporation of the applicable Certification Maintenance Requirements (CMR) into the aircraft Maintenance Program for aeroplanes serial number 9744 and subsequent. Part II (B) of this AD was also revised to account for the change in applicability. In addition, revision 1 of this AD now includes changes to the table listed in Part I. The Temporary Revisions (TRs) listed in the original table are now incorporated into the revised Time Limits/Maintenance Checks (TLMC) manuals and this table lists the TLMC manual revision status instead of a TR number.

**Corrective Actions:**

**Part I –TLMC - Manual Change**

Within 30 days from the effective date of the Initial Issue of this AD, issued 26 February 2016, amend the Transport Canada approved maintenance schedule by inserting the CMR Tasks as follows:

Aeroplane Models	TLMC Task Number	TLMC Manual Number	TLMC Manual Revision	Revision Date
BD-700-1A10	27-11-35-101	GL 700 TLMC	Revision 25	10 February 2016
	27-11-35-102	GL XRS TLMC	Revision 13	10 February 2016
	27-21-27-101	GL 6000 TLMC	Revision 7	10 February 2016
BD-700-1A11	27-11-35-101	GL 5000 TLMC	Revision 17	10 February 2016
	27-11-35-102	GL 5000 GVFD TLMC	Revision 7	10 February 2016
	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. Aeroplanes S/Ns 9695 through 9743 that 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.

Aeroplane Models	AMM Manual Number	Revision Number	Date
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*

Philip Tang  
Acting Chief, Continuing Airworthiness  
Issued on 11 July 2016

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