



AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Civil 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 AD's.

Number:

CF-2015-06R1

Effective Date:

22 April 2015

ATA:

27

Type Certificate:

A-177

Subject:

Flight Controls – Improperly Formulated Task in the Aircraft Maintenance Manual for the Flight Control Unit Back-up Module

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9002 and subsequent.

Compliance:

As indicated below, unless already accomplished.

Background:

It was discovered that the existing instruction in the Aircraft Maintenance Manual (AMM) Task 27-61-05-710-801 will not accomplish the intent of the Certification Maintenance Requirement (CMR) task number 27-61-05-201. This CMR task was required to test the Pitch Feel (PF) and Rudder Travel Limiter Actuator (RTLTA) back-up modules in the Flight Control Unit (FCU) to detect dormant failures. If not detected, a dormant failure of both FCU back-up modules, in combination with other failures in the FCU, may result in the inability to maintain the Minimum Control Requirements for the PF and RTLTA, which could create hazardous flight control inputs during flight.

The original issue of this AD mandated the performance of an operational test of the FCU back-up modules using the proper AMM task instructions.

Revision 1 of this AD is to correct the model number designation in the Applicability section.

Corrective Actions:

- A. For aeroplanes with the FCU that have accumulated 3000 hours air time or more as of the effective date of this AD, within 15 months or 700 hours air time, whichever comes first, from the effective date of this AD, perform an operational test of the FCU back-up modules using AMM task 27-61-05-710-801 listed in the following applicable AMM Revision Number:

Aeroplanes		Applicable AMM Manual	AMM Revision
BD 700-1A10	Global Express	GL 700 AMM - Part II	Revision 61, dated 3 March 2014, or later revisions approved by Transport Canada.
	Global Express XRS	GL XRS AMM – Part II	Revision 39, dated 3 March 2014, or later revisions approved by Transport Canada.

	Global 6000	GL 6000 AMM – Part II	Revision 9, dated 3 March 2014, or later revisions approved by Transport Canada.
BD 700-1A11	Global 5000	GL 5000 AMM – Part II	Revision 42, dated 3 March 2014, or later revisions approved by Transport Canada.
	Global 5000 Global Vision Flight Deck (GVFD)	GL 5000 GVFD AMM – Part II	Revision 9, dated 3 March 2014, or later revisions approved by Transport Canada.

- B. For aeroplanes with the FCUs that have accumulated less than 3000 hours air time as of the effective date of this AD, and have performed an operational test using the AMM task 27-61-05-710-801 prior to the AMM revisions outlined in the table in Paragraph A of this AD, within 15 months or 700 hours air time, whichever comes first, from the effective date of this AD, perform an operational test of the FCU back-up modules using AMM task 27-61-05-710-801 at the applicable AMM Revision Number listed in the Table in Paragraph A of this AD.

Accomplishment of the operational test of the FCU back-up modules AMM task 27-61-05-710-801 using Temporary Revisions TR 27-68; TR 27-37; TR 27-14; or TR 27-38, as applicable, dated 17 December 2013, also meets the requirements of Paragraph B of this AD.

- C. For aeroplanes with the FCU that have accumulated less than 3000 hours air time as of the effective date of this AD, and have not performed the operational test, before the FCU accumulates 3000 hours air time, perform operational test of the FCU back-up modules using AMM task 27-61-05-710-801 at the applicable AMM Revision Number listed in the Table in Paragraph A of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness
Issued on 19 May 2015

Contact:

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