



No.	CF-2010-14	1/2
Issue Date	13 May 2010	

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to **Canadian Aviation Regulation (CAR) 521 Division X**. Pursuant to **CAR 605.84** and the further details of **CAR Standard 625, Appendix H**, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with **CAR 605.84** and the above-referenced **Standard**.

This AD has been issued by the Continuing Airworthiness Division (AARDG), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

Number: CF- 2010-14

Subject: Passenger Door – Tensator Springs Failure

Effective: 1 June 2010

Applicability: Bombardier Inc. Models BD-700-1A10 and BD-700-1A11, Serial Numbers 9002 through 9356

Compliance: Within 30 days after the effective date of this directive, unless already accomplished.

Background: There have been several reported cases of faster than normal opening of the passenger door, caused by failure of one or more of the four tensator springs, Part Number (P/N) GS321-0580-1, that assist the door actuator in opening and closing the door, including control of its rate of descent. Such uncontrolled opening could be hazardous to ground personnel, in addition to causing possible damage to the door and adjacent structure.

This directive mandates revision to the approved maintenance schedule to incorporate a repetitive discard task for the tensator springs, including a phase-in schedule, as applicable.

Corrective Actions: Revise the Transport Canada approved maintenance schedule by incorporating the repetitive discard task, Task Number 52-11-41-101, for the passenger door tensator spring, P/N GS321-0580-1. This task was introduced by the following Temporary Revisions (TR) to the applicable BD-700 Time Limits/Maintenance Checks (TLMC), Part 2, Section 5-10-11:

- Manual Number GL 700 TLMC: Bombardier Global Express [BD-700-1A10], BD-700 TLMC, TR 5-2-37, dated 15 January 2010
- Manual Number GL XRS TLMC: Bombardier Global Express XRS [BD-700-1A10], BD-700 TLMC, TR 5-2-2, dated 15 January 2010
- Manual Number GL 5000 TLMC: Bombardier Global 5000 [BD-700-1A11], BD-700 TLMC, TR 5-2-8, dated 15 January 2010

Notes: 1. BD-700 TLMC TRs 5-2-37 and 5-2-8 contains a phase-in schedule, as necessary, for the initial discard of the tensator springs on Bombardier Global Express [BD-700-1A10] and Bombardier Global 5000 [BD-700-1A11] aircraft with more than 1400 landings. No phase-in is necessary in TR 5-2-2 since no Bombardier Global Express XRS [BD-700-1A10] aircraft has yet accumulated 1400 landings.

Pursuant to **CAR 202.51** the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address.

To request a change of address, contact the **Civil Aviation Communications Centre (AARC)** at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or www.tc.gc.ca/civilaviation/communications/centre/address.asp

2. Compliance with superseding TRs or later revisions to the applicable BD-700 TLMC, approved by Transport Canada, also satisfies the requirements of this directive.

Authorization: For Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Richard Topham, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail CAWWEBFeedback@tc.gc.ca or any Transport Canada Centre.