



| | | |
|------------|---------------------|-----|
| No. | CF-2009-31 | 1/1 |
| Issue Date | 08 July 2009 | |

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) 593**. 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-2009-31
- Subject:** Bulkhead Check Valves – Periodic Discard Task
- Effective:** 29 July 2009
- Applicability:** Bombardier Inc. Model CL-600-2B19, Serial Numbers 7003 and subsequent
- Compliance:** Within 60 days after the effective date of this directive, unless already accomplished.
- Background:** Three cases of in-flight loss of cabin pressurization have been reported, resulting from failure of a bulkhead check valve in combination with failure of an air supply duct.
- In addition to mandating inspection, rework and/or replacement of the air supply ducts, Airworthiness Directive (AD) CF-2003-05 (subsequently revised to CF-2003-05R1) mandated the incorporation of a 4 000 flight-hour repetitive inspection task for bulkhead check valves, Part Numbers (P/N) 92E20-3 and 92E20-4, into the approved maintenance schedule. However, this repetitive inspection task has since been superseded by a 3 000 flight-hour periodic discard task for these bulkhead check valves.
- This directive mandates revision of the approved maintenance schedule to incorporate the discard task for bulkhead check valves, P/N 92E20-3 and 92E20-4, and supersedes the instructions in Corrective Actions, Part A, of AD CF-2003-05R1, dated 7 February 2006.
- Corrective Actions:** Revise the Transport Canada approved maintenance schedule by incorporating the discard task, Task Number 21-51-21-13, for the bulkhead check valves, P/N 92E20-3 and 92E20-4. This task was introduced by Temporary Revision (TR) 1-2-39, dated 12 December 2008, to the Maintenance Requirements Manual, CSP A-053, Part 1, Maintenance Review Board Report, Section 2, System and Powerplant Program.
- Authorization:** For Minister of Transport, Infrastructure and Communities

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Mr. Richard Topham, Continuing Airworthiness, Ottawa, telephone 613-952-4428, facsimile 613-996-9178 or e-mail richard.topham@tc.gc.ca or any Transport Canada Centre.

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

