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| No. | CF-2004-01R2 | 1/1 |
| Issue Date | 29 September 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-2004-01R2
- Subject:** Engine Throttle Control Gearbox
- Effective:** 15 October 2009
- Revision:** This revision supersedes Airworthiness Directive (AD) CF-2004-01R1 dated 12 April 2005.
- Applicability:** All Bombardier Inc. model CL-600-2B19 aircraft that have engine Throttle Control Gearbox (TCGB) Part Number (P/N): 2100140-003 or 2100140-005 or P/N 2100140-007 installed.
- Compliance:** When indicated, unless already accomplished.
- Background:** There has been numerous reported failures of the Regional Jet engine TCGB P/Ns: 2100140-003, 2100140-005 & 2100140-007. Some of these failures have resulted in in-flight engine shutdowns. Post incident investigations revealed that excessive wear within the engine TCGB could alter the rigging position or cause the throttle to jam. With the rigging position altered, movement of the throttle lever towards the idle position can result in throttle moving too close to the fuel shut-off position, which potentially, can cause the engine to flame out.
- Bombardier issued Service Bulletin (SB) 601R-76-019 dated 21 August 2003, to introduce an inspection of, and if required, replacement of the throttle control gearbox with a serviceable unit. AD CF-2004-01 was originally issued to mandate the subject inspection requirement as per SB 601R-76-019 and subsequent revisions.
- The subject TCGB inspection requirements mandated as per the earlier versions of this AD, are now transcribed in a new Certification Maintenance Requirement (CMR) task. This revision is issued to mandate the incorporation of the new CMR task into the CL-600-2B19 Maintenance Requirements Manual (MRM), as introduced by the MRM Temporary Revision (TR) 2A-47.
- Corrective Actions:** Within 30 days from the effective date of this revision, update your CL-600-2B19 MRM document (CSP A-053) to incorporate the TR 2A-47 for compliance with CMR Task # C76-11-127-01 requirements.
- Authorization:** For Minister of Transport, Infrastructure and Communities

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Mr. A. K. Durrani, Continuing Airworthiness, Ottawa, telephone (613) 952-4357, facsimile (613) 996-9178 or e-mail [CAW WEB Feedback@tc.gc.ca](mailto:CAW_WEB_Feedback@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

