



No.	<b>CF-2009-36</b>	1/1
Issue Date <b>02 September 2009</b>		

# 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-2009-36  
**Subject:** Stick Pusher Capstan Shaft Failure  
**Effective:** 22 September 2009  
**Applicability:** Bombardier CL-600-2B19, serial numbers 7003 through 7990, 8000 and subsequent.  
**Compliance:** As indicated below, unless already accomplished.  
**Background:** There have been several Stick Pusher Capstan Shaft failures causing severe degradation of the stick pusher function. This directive is issued to revise the first flight of the day check of the stall protection system to detect degradation of the stick pusher function. It also introduces a new repetitive maintenance task to limit exposure to dormant failure of the stick pusher capstan shaft.

**Corrective**      **1. Aircraft Flight Manual (AFM) Modification**

**Actions:** Within 30 days of the effective date of this directive, accomplish the following:

- 1.1 Amend the Aircraft Flight Manual (AFM) by inserting Temporary Revision (TR) RJ/178, dated 15 February 2008 or later approved revision. TR RJ/178 introduces a limitation to ensure that the Stall Protection System test is accomplished before the first flight of the day.
- 1.2 Advise all flight crews on the changes introduced through the AFM TR.

**2. Airworthiness Limitation Change**

- 2.1 Within 30 days of the effective date of this directive, amend the Transport Canada approved maintenance schedule by incorporating the inspection requirements of Certification Maintenance Requirement (CMR) Number C27-35-300-01, as introduced by Temporary Revision (TR) 2A-43, dated 7 May 2008, of Canadair Regional Jet Maintenance Requirements Manual, Part 2, Appendix A, "Certification Maintenance Requirements".
- 2.2 For airplanes with more than 5 000 hours air time, perform initial compliance with the new CMR task within 500 hours air time from the effective date of this directive, unless already accomplished.

**Authorization:** For Minister of Transport, Infrastructure and Communities

Derek Ferguson  
Chief, Continuing Airworthiness

**Contact:** Mr. Gordanko Jeremic, 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](http://www.tc.gc.ca/civilaviation/communications/centre/address.asp)