



No.	CF-2003-26	1/1
Issue Date	14 November 2003	

# 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), Aircraft Certification Branch, Transport Canada, Ottawa, telephone (613) 952-4357.

**Number:** CF-2003-26

**Subject:** Bombardier CL-600-2B19 - "Regional Jet" – Pitch Feel Simulator

**Effective:** 8 December 2003

**Applicability:** Bombardier Inc. Model CL-600-2B19 "Regional Jet" serial numbers 7003 through 7999.

**Compliance:** When indicated, unless already accomplished

**Background:** The shear pin in the input lever of two Pitch Feel Simulator (PFS) units have failed, due to fatigue, one during endurance rig testing and one on an in-service aircraft. The failure of the shear pin of one unit is not always detectable by the flight crew in normal operation. Failure of the shear pins in both PFS units on an aircraft could result in loss of pitch feel forces.

**Corrective Action:** **New Functional Check**

1. Within 14 days of the effective date of this directive, amend the Transport Canada (TC) approved maintenance schedule by incorporating the functional check of the PFS pilot input lever, Task R27-31-A024-01, as introduced by TR 2B-1784 to the CL-600-2B19 Maintenance Requirements Manual, Airworthiness Requirements, Appendix B – Airworthiness Limitations.

**Phase-In Schedule**

2. For aircraft that already exceed the 4000 flight-hour threshold or aircraft that reach this threshold in less than 60 days of the effective date of this directive, complete the initial PFS functional check in accordance with the applicable schedule below, whichever is reached later:
  - (a) 60 days of the effective date of this directive; or,
  - (b) 60 days of reaching the 4000 flight-hour threshold.

**Reporting of Initial Inspection Results**

3. Within 14 days of completing the initial functional check, report any failures to:

Bombardier Aerospace  
 Technical Help Desk  
 Attention: John Kahn  
 facsimile: (514) 855-7708

**Authorization:** For Minister of Transport

R. William Taylor  
 Acting Chief, Continuing Airworthiness

**Contact:** Mr. Ian McLellan, Continuing Airworthiness, Ottawa, telephone (613) 952-4362, facsimile (613) 996-9178 or e-mail [mclelli@tc.gc.ca](mailto:mclelli@tc.gc.ca) or any Transport Canada Centre.

