



No.	CF-2003-08	1/2
Issue Date	23 April 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-2003-08
- Subject:** Bombardier CL-600-2B19 Regional Jet – Vertical Beams on Pressure Bulkheads at Frame Station FS 409+128 and FS 559
- Effective:** 6 June 2003
- Applicability:** Bombardier Inc. Model CL-600-2B19 “Regional Jet” aircraft, serial numbers 7003 through 7999.
- Compliance:** When indicated, unless already accomplished.
- Background:** Cracks on the vertical beams on pressure bulkheads at fuselage stations 409+128 and 559 have been discovered on Canadair Regional Jet (CRJ) aircraft in service. Failure of the vertical beams at the pressure bulkheads, which have been identified as principal structural element, would compromise the structural integrity of the pressure bulkheads. Temporary revision has been made to Canadair Regional Jet Maintenance Requirements Manual, Appendix B, “Airworthiness Limitations” to ensure that fatigue cracking of the vertical beams on the pressure bulkheads is detected and corrected.
- Corrective Actions:**
1. Within 14 days after the effective date of this directive, revise the Transport Canada approved maintenance schedule by incorporating the revised inspection requirements for Airworthiness Limitations (AWL) number 53-41-116, as introduced by Temporary Revision (TR) 2B-1566 of Canadair Regional Jet Maintenance Requirements Manual, Appendix B, “Airworthiness Limitations”.
 2. Phase in the revised inspection tasks detailed in paragraph 1 above in accordance with the following schedule:

Accumulated Aircraft Flight Cycles at Effective Date of this Directive	Compliance Schedule for Initial Inspection
10,906 or less	Prior to exceeding 14,906 flight cycles
More than 10,906 but not more than 14,906	Within 4,000 flight cycles but not exceeding 17,906 flight cycles after the effective date of this directive
More than 14,906 but not more than 20,406	Within 3,000 flight cycles but not exceeding 21,906 flight cycles after the effective date of this directive
More than 20,406	Within 1,500 flight cycles after the effective date of this directive

3. Within 30 days after each inspection, report the results to Bombardier Aerospace via the CRJ Technical Help Desk.
4. If any crack is found, repair prior to further flight. Contact Bombardier Aerospace Regional Aircraft, Technical Help Desk for approved repair instructions.

Note: New limitations or inspection requirements specified in the approved repair obtained from Bombardier Aerospace will supersede the inspection requirements of paragraph 1 of this directive.

Authorization: For Minister of Transport



Robin Lau
Acting Chief, Continuing Airworthiness

Contact: Mr. Anthony Wan, Transport Canada, Continuing Airworthiness, Ottawa, telephone (613) 952-4410, facsimile (613) 996-9178 or e-mail wana@tc.gc.ca or any Transport Canada Centre.