



No.	CF-2001-15R1	1/2
Issue Date	30 December 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-2001-15R1

Subject: Bombardier CL-600-2B19 "Regional Jet" – Lower Wing Plank

Effective: 17 April 2001 (the effective date of Airworthiness Directive CF-2001-15).

Revision: Supersedes Airworthiness Directive CF-2001-15 issued 30 March 2001.

Applicability: Bombardier Inc. Model CL-600-2B19 "Regional Jet" aircraft, serial numbers 7003 through 7869.

Compliance: When indicated, unless already accomplished.

Background: Cracks on the left and right sides of the lower wing plank at wing station (WS) 148 have been discovered on a number of aircraft in service. Failure of the lower wing plank would compromise the structural integrity of the wing.

Since the original issue of this directive, Bombardier Aerospace has developed a modification to reinforce the lower wing structure at WS 148. This directive has been revised to provide terminating action to the repetitive inspection requirements of this directive if the aircraft is modified in accordance with Bombardier Aerospace's Service Bulletin 601R-57-037, Revision B.

Corrective Actions: 1. Initially, in accordance with the following schedule:

(a) For aircraft that have accumulated a total of 6,500 flight cycles or less at the effective date of this directive:

- Prior to exceeding 7,000 flight cycles;

and

(b) For aircraft that have accumulated a total of more than 6,500 flight cycles but not more than 13,500 flight cycles at the effective date of this directive:

- Within 500 flight cycles after the effective date of this directive or before accumulating a total of 13,700 flight cycles, whichever comes first;

and

(c) For aircraft that have exceeded a total of 13,500 flight cycles at the effective date of this directive:

- Within 200 flight cycles after the effective date of this directive:

Perform a detailed visual inspection of the left and right wings at the rear spar of WS 148.019 in accordance with Part 2 of the Accomplishment Instructions of Bombardier Alert Service Bulletin A601R-57-031, dated 22 March 2001, or later revisions approved by the Chief, Continuing Airworthiness, Aircraft Certification, Transport Canada.

2. Subsequently, at intervals not to exceed 5,000 flight cycles, repeat the inspection detailed in paragraph 1 above.
3. Within 30 days after each inspection, report the results to Bombardier Aerospace via the CRJ Technical Help Desk.
4. If cracks are found, repair prior to further flight. Contact Bombardier Aerospace at location detailed in the above-mentioned service bulletin for approved repair instructions.

Note 1: The new limitations or inspection requirements specified in the approved repair obtained from Bombardier Aerospace will supersede the inspection requirements of paragraphs 1 and 2 of this directive.

5. Incorporation of the modification in accordance with paragraph 2 "Accomplishment Instructions", Part A and Part B of Bombardier Service Bulletin, 601R-57-037, Revision B, dated 22 July 2003, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, provides terminating action to the inspection requirements of paragraphs 1 and 2 of this directive.

Note 2: The new inspection requirements for the modified aircraft are detailed in Part 2 of Maintenance Requirements Manual, Appendix B, "Airworthiness Limitations" as introduced by Temporary Revision 2B-1454, dated 28 November 2002.

Note 3: Installation of modification in accordance with earlier versions of Bombardier Service Bulletin, 601R-57-037, meets the requirements of paragraph 5 of this directive.

Authorization: For Minister of Transport



for B. Goyaniuk
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.