




No.	CF-2004-20	1/1
Issue Date	5 October 2004	

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-2004-20
- Subject:** Bombardier CL-600-2B19 - "Regional Jet" – Hydraulic Line Shields
- Effective:** 1 November 2004
- Applicability:** Bombardier Inc. Model CL-600-2B19 "Regional Jet" Series 100/440, serial numbers 7003 through 7067, 7069 through 7165, 7167 through 7169 and 7171 through 7188.
- Compliance:** Within 24 months after the effective date of this directive, unless already accomplished.
- Background:** Additional shielding of the hydraulic lines in the wing box area is required to protect the lines from possible impact by tire debris in the event of tire tread failure. If both lines were damaged sufficiently to cause leakage from the two hydraulic systems, braking capability on the affected side of the aircraft would be lost, resulting in asymmetrical braking and a possible adverse effect on directional control, particularly during a rejected take-off.
- Corrective Actions:**
1. Install additional hydraulic line shields in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 601R-57-021, Revision C, dated 23 February 2004, or later revisions approved by the Chief, Continuing Airworthiness, Aircraft Certification, Transport Canada.
 2. Previous installation of hydraulic line shields in accordance with the Accomplishment Instructions of Revision B of Service Bulletin 601R-57-021, dated July 18, 2001, meets the requirements of this directive.
- Authorization:** For Minister of Transport
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- B. Goyaniuk
Chief, Continuing Airworthiness
- Contact:** Mr. Richard Topham, Continuing Airworthiness, Ottawa, telephone (613) 952-4428, facsimile (613) 996-9178 or e-mail tophamr@tc.gc.ca or any Transport Canada Centre.