



No.	CF-2002-19	1/2
Issue Date	11 March 2002	

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-2002-19

Subject: Bombardier CL-600-2C10 – Center Tank Fuel Line Failures

Effective: 11 March 2002

Applicability: All CL-600-2C10 Regional Jet Series 700 Aircraft.

Compliance: Within two calendar days after the effective date of this directive, unless already accomplished.

Background: A condition has been identified which may result in fuel line damage and leakage of fuel into the center fuel tank. Some of this fuel may not be usable during flight. In order to ensure that the affected aircraft has sufficient fuel for a safe diversion, the corrective action below must be implemented.

Corrective Actions: A. Amend all copies of the Airplane Flight Manual (AFM) by inserting the following procedure into the section ABNORMAL PROCEDURES – FUEL, facing page 05-12-4.

Replace paragraph H. 'L or R MAIN EJECTOR', to read as follows:

H. L or R MAIN EJECTOR

- (1) Left and right boost pumps.....Confirm operating
- (2) Affected engine instruments Monitor
- (3) Fuel tank quantityMonitor and balance, if required

If centre tank quantity increases abnormally (by more than 227 kg (500 lb)):

- (4) Land at the nearest suitable airport.

If centre tank quantity continues to increase (by more than 454 kg (1000 lb)):

- (5) Affected engine thrust IDLE
- (6) Consider shutting down affected engine to prevent centre tank transfer.
 - Ensure both BOOST PUMPS are operating.

If centre tank quantity further continues to increase (by more than 680 kg (1500 lb)):

- (7) Land immediately at the nearest suitable airport.

Insertion of the Temporary Revision (TR) RJ 700/23-1 into all copies of the Airplane Flight Manual satisfies the requirements of part A. of this directive.

B. Implement the following procedures:

- Operations must be within sixty (60) minutes of a suitable alternate airport.
- Normal mission fuel requirements must be increased by 1362 kg (3000 lbs).

C. Advise all flight crews of these changes.

Authorization: For Minister of Transport



B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Peter von Moos, Continuing Airworthiness, Ottawa, telephone (613) 952-4428, facsimile (613) 996-9178 or e-mail vonmoop@tc.gc.ca or any Transport Canada Centre.

SUPERSEDED