



No.	CF-2007-28	1/2
Issue Date	22 November 2007	

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-2007-28
- Subject:** Fuel System Safety - Introduction of Maintenance Tasks
- Effective:** 10 December 2007
- Applicability:** Bombardier Inc. Model CL-600-2C10, CL-600-2D15 and CL-600-2D24 aircraft, all serial numbers.
- Compliance:** As indicated unless already accomplished.
- Background:** Bombardier Aerospace has completed a system safety review of the aircraft fuel system against fuel tank safety standards introduced in Chapter 525 of the Airworthiness Manual through Notice of Proposed Amendment (NPA) 2002-043. The identified non-compliances were then assessed using Transport Canada Policy Letter No. 525-001, to determine if mandatory corrective action is required.

The assessment showed that supplemental maintenance tasks are required to prevent potential ignition sources inside the fuel system, which could result in a fuel tank explosion. Revision has been made to Canadair Regional Jet Models CL-600-2C10, CL-600-2D15 and CL-600-2D24 Maintenance Requirements Manual, CSP B-053, Part 2, Section 3 "Fuel System Limitations" to introduce the required maintenance tasks.

- Corrective Actions:**
1. Within 60 days after the effective date of this directive, revise the Transport Canada approved maintenance schedule by incorporating the following inspection requirements as contained in Revision 9 of Canadair Regional Jet Models CL-600-2C10, CL-600-2D15 and CL-600-2D24 Maintenance Requirements Manual, CSP B-053, Part 2, Section 3 "Fuel System Limitations":

Task Number	Task Description
24-90-00-601	Fuel tank wiring harness installation: Detail inspection of the fuel tank wiring harness installation in the fuselage for condition and security.
24-90-00-602	Fuel tank wiring harness installation: Detail inspection of the fuel tank wiring harness installation at the center tank front spar for condition and security.
28-00-00-601	Fuel tank line replaceable unit sealant: Detail inspection of all the fuel tank LRUs to ensure the condition and integrity of the sealant around their mounting surfaces and attachments

Pursuant to **CAR 202.51** the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address.

To request a change of address, contact the **Civil Aviation Communications Centre (AARC)** at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or www.tc.gc.ca/civilaviation/communications/centre/address.asp



Task Number	Task Description
28-11-23-601	Fuel stowage system pipe: Functional check to ensure that the electrical bonding values of the fuel stowage system pipe assemblies is within tolerance
28-11-23-602	Fuel stowage system pipe bonding jumper: Detail inspection of the fuel stowage system pipe bonding jumpers for condition and security.
28-12-13-601	Climb vent loop boot assembly and drainage tube: Detail inspection of the climb vent loop boot assemblies and drainage tubes for condition and security.
29-30-00-601	Hydraulic system No. 3 temperature transducer: Operational check of the hydraulic system No. 3 temperature transducer via EICAS
29-30-00-602	Hydraulic system No. 3 temperature transducer: Discard the Hydraulic system No. 3 temperature transducer

Authorization: For Minister of Transport, Infrastructure and Communities

P. Tang
Acting Chief, Continuing Airworthiness

Contact: Mr. Philip Tang, Continuing Airworthiness, Ottawa, telephone (613) 952-4365, facsimile (613) 996-9178 or e-mail tangp@tc.gc.ca or any Transport Canada Centre.