



No.	CF-2006-01	1/1
Issue Date	20 January 2006	

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-2006-01
- Subject:** Windshield and Window Anti-Ice - Insufficient Torque of Electrical Connections
- Effective:** 17 February 2006
- Applicability:** Bombardier Inc. Model BD-100-1A10 - Serial Numbers 20006 through 20046, and 20048, 20051 and 20052.
- Compliance:** Within 90 days of the effective date of this directive, unless already accomplished.
- Background:** The investigation of an in-service incident has revealed that the electrical connections for the terminal blocks and ground studs for the windshield and side window anti-ice systems may not have been torqued to the required value during aircraft production. Loose electrical connections for the anti-ice system can cause arcing and overheating, producing wiring damage, cockpit smoke and odour.
- Corrective Actions:** In accordance with Bombardier Aerospace Alert Service Bulletin (ASB) A100-30-03, Revision 1, dated 21 December 2005, or later revisions of this service bulletin approved by Chief, Continuing Airworthiness, Transport Canada, carry out the following:
- (a) Visually inspect the terminal blocks, ground studs, terminals and the local wiring and surrounding insulation for signs of arcing and heat damage;
 - (b) Repair any damage before further flight; and
 - (c) Re-torque the electrical connections at terminal blocks, the ground studs, and the windshield and side window terminals.

Authorization: For Minister of Transport

B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Ian McLellan, Continuing Airworthiness, Ottawa, telephone 613 952-4362, facsimile 613 996-9178 or e-mail mcllelli@tc.gc.ca or any Transport Canada Centre.

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

