



No.	CF-2001-02	1/2
Issue Date	17 January 2001	

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-2001-02
- Subject:** Bombardier CL-600-2B19 "RJ" - IDG Cables Chafed on Cowl Door
- Effective:** 22 January 2001.
- Applicability:** Bombardier Inc. CL-600-2B19 "Regional Jet", serial numbers 7003 through 7462.
- Compliance:** When indicated, unless already accomplished.
- Background:** A report has been received of electrical arcing between the integrated drive generator (IDG) cable and an engine cowl door due to IDG cable chafing. This arcing condition, if not corrected, could potentially be an ignition source of an in-flight fire and/or result in the in-flight loss of electrical power.
- Corrective Actions:** Accomplish the following in accordance with the Accomplishment Instructions of Bombardier Alert Service Bulletin (ASB) A601R-24-103 dated 28 December 2000, or later revisions approved by the Director, Aircraft Certification, Transport Canada:

Part A - Inspection and Repair

Within 50 hours air time after the effective date of this directive, visually inspect the IDG cables of both the left and right engines. Inspect for chafing and damage between the service pylon connections to the IDG.

If chafing or damage is detected, repair or replace prior to further flight, as detailed in paragraph 1 or 2 below:

1. If the inner core of the cable is not visible and not damaged, repair or replace the damaged IDG cable; or
2. If the inner core is visible or damaged, replace the damaged IDG cable.

Part B - Installation of Protective Conduit

Within 550 hours air time after the effective date of this directive, install a protective conduit on the IDG cable harness assembly (install conduit part number S1244H-6-3 on the right engine and part number S1244H-6-4 1/2 or S1244H-6-5 on the left engine).

Part C - Reporting Requirements

Within 30 days after carrying out the inspection detailed in Part A of this directive, report any findings of IDG cable chafing or damage to Bombardier at the address identified in the aforementioned ASB or later approved revisions.

Authorization: For Minister of Transport



for B. Goyaniuk
Chief, Continuing Airworthiness

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

Other: This directive was originally issued 17 January 2001 by facsimile and other electronic means.