



No.	CF-2008-09	1/2
Issue Date		
5 February 2008		

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.

In Number: CF-2008-09

Subject: Air-Driven Generator – Internal Wiring

Effective: 18 February 2008

Applicability: Bombardier Inc. Model:
CL-600-2B19 – Serial numbers 7305 through 7990 and 8000 and subsequent.

Compliance: As indicated below.

Background: Following in-flight test deployments, several Air-Driven generators (ADGs) failed to come on-line. Investigation revealed that, as a result of a wiring anomaly that had not been detected during ADG manufacture, a short circuit was possible between certain internal wires and their metallic over-braided shields, which could result in the ADG not providing power when deployed. This directive mandates checking of the ADG and modification of the ADG internal wiring, if required. It also prohibits future installation of unmodified ADGs.

Corrective Actions: **A. Applicable to Aircraft Serial Numbers 7305 through 7990 and 8000 through 8083**

Notes: i. Previous inspection, and modification as required, in accordance with Bombardier Aerospace Service Bulletin 601R-24-113, original issue, dated 22 April 2004, or Revision A, dated 11 August 2005, satisfies the requirements of paragraph A of this directive if the ADG has not been replaced since Service Bulletin incorporation.

ii. It is permissible to satisfy the requirements of paragraph A.1 of this directive by a review of the aircraft maintenance records.

Within 12 months after the effective date of this directive, check and, if required, modify the ADG as follows:

1. Inspect the serial number of the installed ADG. If the serial number is not listed in paragraph 1.A of Bombardier Aerospace Service Bulletin 601R-24-113, Revision A, dated 11 August 2005, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada, no further action is necessary. Otherwise, proceed to step A.2.
2. Inspect the ADG identification plate. If it is marked with the symbol "24-2" (ref:Hamilton Sundstrand Service Bulletin ERPS10AG-24-2), no further action is necessary. Otherwise, proceed to step A.3.
3. Modify the ADG wiring in accordance with the Accomplishment Instructions in Bombardier Aerospace Service Bulletin 601R-24-113, Revision A, dated 11 August 2005, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada.

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

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B. Applicable to Aircraft Serial Numbers 7305 through 7990 and 8000 and subsequent.

As of the effective date of this directive, no replacement/spare ADG, part number 604-90800-1 (761339C), 604-90800-17 (761339D) or 604-90800-19 (761339E) with one of the following serial numbers [0101-0132 / 0134-0167 / 0169-0358 / 0360-0438 / 0440-0456 / 0458-0467 / 0469 / 0471-0590 / 0592-0597 / 0599-0745 / 0747-1005 / 1400-1439] is permitted to be installed on any aircraft, unless it is identified with the symbol "24-2" (ref: Hamilton Sundstrand Service Bulletin ERPS10AG-24-2) on the identification plate.

Authorization: For Minister of Transport, Infrastructure and Communities



P. Tang
Acting 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.