



No.	CF-2008-14	1/2
Issue Date		
19 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.

Number: CF-2008-14

Subject: Air Driven Generator Power Centre - Contactors

Effective: 10 March 2008

Applicability: Bombardier Inc. Models:

CL-600-2C10 – Serial numbers 10004 and subsequent.

CL-600-2D15 and CL-600-2D24 – Serial numbers 15002 and subsequent.

Compliance: As indicated below.

Background: During a pre-delivery flight of a CL-600-2C10 aircraft, the AC essential bus did not come on-line following deployment of the Air Driven Generator (ADG). Following investigation, it was determined that a specific batch of contactors in the ADG Power Centre (ADGPC) is susceptible to failure due to low contact pressure. This directive mandates inspection of the ADGPC and replacement of any contactors in the suspect batch. It also prohibits future installation of ADGPCs and contactors that have not been inspected per this directive.

Corrective Actions: A. **Applicable to CL-600-2C10 Serial Numbers 10004 through 10265, and CL-600-2D15 and CL-600-2D24 Serial Numbers 15002 through 15162**

Notes: i) Previous inspection of the ADGPC, and replacement of contactors as required, in accordance with Bombardier Aerospace Service Bulletin 670BA-24-021, dated 30 May 2005, or Revision A, dated 11 December 2006, satisfies the requirements of paragraph A of this directive if the ADGPC has not been replaced since Service Bulletin accomplishment.

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

Within 5000 hours air time or within 24 months, whichever comes first, after the effective date of this directive:

1. Inspect the serial number of the installed ADGPC and, if required, the serial numbers of installed contactors K117, K147 and K153, in accordance with Part A of the Accomplishment Instructions in Bombardier Aerospace Service Bulletin 670BA-24-021, Revision A, dated 11 December 2006, 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

2. If the serial number of the ADGPC is in the range 134 through 250 and any of the installed contactors has a serial number in the range 411 through 777, replace the contactor(s) in accordance with Part B of the Accomplishment Instructions in Bombardier Aerospace Service Bulletin 670BA-24-021, Revision A, dated 11 December 2006, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada.

B. Applicable to CL-600-2C10 Serial Numbers 10004 and subsequent, and CL-600-2D15 and CL-600-2D24 Serial Numbers 15002 and subsequent

1. As of the effective date of this directive, no replacement/spare ADGPC (part number 781GA01Y00) with a serial number in the range 134 through 250 is permitted to be installed on any aircraft, unless it has been inspected and has had the contactors replaced, as necessary, in accordance with the Accomplishment Instructions in Bombardier Aerospace Service Bulletin 670BA-24-021, dated 30 May 2005, Revision A, dated 11 December 2006, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada.
2. As of the effective date of this directive, no replacement/spare ADGPC contactor (part number 995CA01Y00) with a serial number in the range 411 through 777 is permitted to be installed on any aircraft, unless it is identified with two labels, as specified in ECE Service Bulletin 995CA01Y-24-001, dated 3 May 2005, or later revision.

Authorization: For Minister of Transport, Infrastructure and Communities



Derek Ferguson
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.