



No.	CF-2011-25	1/1
Issue Date	25 July 2011	

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) 521 Division X**. 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), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

Number: CF-2011-25

Subject: Air Driven Generator Failure to Power Essential Buses

Effective: 13 August 2011

Applicability: Bombardier Inc. Aeroplane Model CL-600-2B16 Serial Number 5408 through 5665, and 5701 through 5856.

Compliance: As indicated below, unless already accomplished.

Background: There have been several occurrences of the air driven generator (ADG) failure to power essential buses during functional tests of the ADG. It was found that the low threshold setting of the circuit protection on the ADG generator control unit (GCU) can prevent the supply of power from the ADG to the essential buses. In the event of an emergency, loss of power to the essential buses can prevent continued safe flight.

This directive mandates the replacement of the ADG GCU.

Corrective Actions: Within 36 months from the effective date of this directive, remove and replace the ADG GCU Part Number (P/N) 761341A (604-90800-7) with a new ADG GCU P/N 761341B (604-90800-27) in accordance with the Accomplishment Instructions of the applicable Bombardier Service Bulletin (SB) listed below, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada:

Aeroplane Serial Numbers	SB	Issue Date
5408 through 5665	604-24-023	25 April 2011
5701 through 5856	605-24-003	25 April 2011

As of the effective date of this directive, no ADG GCU P/N 761341A (604-90800-7) is permitted to be installed on any aeroplanes.

Authorization: For the Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

Robin Lau
Acting Chief, Continuing Airworthiness

Contact: Miss Helen Tsai, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail CAWWEBFeedback@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

