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No. CF-98-40

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.

CF-98-40 BOMBARDIER

Applies to Bombardier Inc. (formerly Canadair) Model CL-600-2B19 "Regional Jet" aircraft, Series 100 and 200, serial numbers 7003 through 7250.

Compliance is required within 450 hours flight time after the effective date of this directive, unless already accomplished.

Several incidents of damage to the main battery connector and to the auxiliary power unit (APU) battery connector have been reported. An investigation has revealed that short circuit protection does not exist within the main battery and the APU battery for the mid-voltage sensing wire going from the 10th cell of each battery to its respective battery charger.

A. To eliminate the potential smoke and fire hazard that would accompany a short circuit in wiring that does not have short circuit protection, accomplish parts A and B of this directive.

Applicable to aircraft serial numbers 7003 through 7250.

In accordance with section 2, Accomplishment Instructions, Part A, of Bombardier Alert Service Bulletin (ASB) A601R-24-085 Revision C, dated 5 November 1998 or subsequent revisions approved by the Director, Aircraft Certification, Transport Canada:

1. Conduct a one-time visual inspection of the following, and repair or replace if required:

(a) The main battery charger input connector and the wire harness between the electrical connectors for the main battery and the main battery charger; and

(b) The APU battery charger input connector and the wire harness between the electrical connectors for the APU battery and the APU battery charger.

2. Secure both the main battery charger input connector spin coupling ring and the APU battery charger input connector spin coupling ring by installing heat shrink tubing and ty-rap.

B. Applicable to aircraft serial numbers 7003 through 7249.

Either:

1. Install an external 5.1-Kohm resistor in the mid-voltage sensing wire for the main battery and an external 5.1-Kohm resistor in the mid-voltage sensing wire for the APU battery, in accordance with the instructions detailed in section 2, Accomplishment Instructions, Part B of the above noted Bombardier Alert Service Bulletin;

or:

2. Install main battery P/N 601R59041-3 and APU battery P/N 600-59151-11, which contain an internal resistor for the mid-voltage sensing wire.

This directive becomes effective 23 December 1998.

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 <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.

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