



No.	CF-2003-13	1/1
Issue Date 15 May 2003		

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-2003-13

Subject: Bombardier DHC-8 Model 102 – RDS86 Weather Radar Circuit Breakers

Effective: 20 June 2003

Applicability: DHC-8 Model 102 aircraft, serial numbers 023 thru 392, equipped with RDS86 Weather Radar System installed but excluding those aircraft equipped with option CR834CH00284.

Compliance: Within twelve months of the effective date of this directive.

Background: Overheating of the radar ribbon cable and/or the radar indicator can result in smoke in the cockpit. The overheating can occur because the 7.5 amp circuit breaker installed for both the radar transmitter and radar indicator does not provide adequate protection in the event of a short circuit within the radar indicator.

Corrective Actions:

- A. For aircraft with any of the following options: CSI 82309, CR834CH82309, or CR811CH82309 incorporated, modify the electrical power circuit in accordance with the procedures detailed in paragraph 2.2 of Bombardier ModSum IS8Q3450000 by replacing the 7.5 amp circuit breaker with a 5 amp breaker and installing an additional 3 amp breaker.
- B. For aircraft without any of the following options: CSI 82309, CR834CH82309, or CR811CH82309 incorporated, modify the electrical power circuit in accordance with the procedures detailed in paragraph 2.3 of Bombardier ModSum IS8Q3450000 by replacing the 7.5 amp circuit breaker with a 5 amp breaker and installing an additional 3 amp breaker.

Authorization: For Minister of Transport

for
Robin Lau
Acting Chief, Continuing Airworthiness

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