



No.	CF-2002-15	1/1
Issue Date	20 February 2002	

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-2002-15
- Subject:** Bombardier DHC-8-400 – Rudder Trim Switch Wiring
- Effective:** 15 March 2002
- Applicability:** Bombardier Inc. DHC-8 Models 401 and 402, serial numbers 4005, 4006, 4008 through 4016, 4018 through 4058.
- Compliance:** Within 90 days of the effective date of this directive.
- Background:** An investigation of an incident involving rudder trim runaway has revealed a discrepancy in the wiring of the rudder trim control switch on the aileron/rudder trim control panel. The wiring discrepancy in the rudder trim switch could potentially enable a single short circuit on the aileron/rudder trim control panel to cause a runaway condition of the rudder trim actuator.
- Corrective Actions:** In accordance with Accomplishment Instructions of Bombardier Alert Service Bulletin (ASB) A84-27-13 Revision B, dated 12 January 2002, or later revisions, approved by the Chief, Continuing Airworthiness, Transport Canada, accomplish the following:
- A. Modify the wiring for the rudder trim switch (2722-S2) by incorporating Modsum 4-126256; and,
 - B. Visually inspect all wiring on the back of the aileron/rudder trim control panel (P/N 82410608-001, -003 or -005) for chafing. Replace any chafed wires before further flight.

Aircraft modified and inspected in accordance with the Accomplishment Instructions of ASB A84-27-13 Revision A, dated 9 January 2002, also satisfy the requirements of this directive.

Authorization: For Minister of Transport


for B. Goyaniuk
Chief, Continuing Airworthiness

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