



No.	CF-2002-29	1/1
Issue Date	22 May 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-2002-29
- Subject:** Bombardier DHC-8 – Aileron Tab Actuator Arms
- Effective:** 28 June 2002
- Applicability:** Bombardier Inc. DHC-8 aircraft, Models 102, 103 and 106, serial numbers 3 through 119, without Modification 8/0864 incorporated.
- Compliance:** When indicated.
- Background:** Cracks on the left and right aileron tab actuator arms have been reported. Failure of the aileron actuator arms will result in increased roll control forces that might be interpreted by the pilot as a flight control problem.
- Corrective Actions:**
1. Within 500 hours air time after the effective date of this directive and thereafter at intervals not to exceed 500 hours air time, visually inspect the actuator arm channel of the left and right aileron tabs for cracks, in accordance with the Special Inspection Procedure contained in the Accomplishment Instructions of Bombardier Service Bulletin 8-57-7, Revision F, dated 27 March 2002, or later revision approved by the Chief, Continuing Airworthiness, Transport Canada.
 2. Before further flight, repair any cracked aileron tab actuator arm channel by installing a new channel, reinforcing angle and balance weight arm in accordance with PART A of the Accomplishment Instructions of the above-noted Service Bulletin.
 3. Incorporation of Bombardier Modification 8/0864 terminates the repetitive inspection requirement of paragraph 1 above. The Accomplishment Instructions PART A (tab actuator arm repair), PART B (tab actuator arm modification) or PART C (tab replacement) of the above-noted Service Bulletin provide approved instructions for incorporating modification 8/0864.
- Note: Inspections, repairs or modifications accomplished in accordance with an earlier issue of the above-noted Service Bulletin satisfy the requirements of this directive.

Authorization: For Minister of Transport

B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Peter von Moos, Continuing Airworthiness, Ottawa, telephone (613) 952-4428, facsimile (613) 996-9178 or e-mail vonmoop@tc.gc.ca or any Transport Canada Centre.