



No.	1/1
CF-2001-08R1	
Issue Date	
9 December 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-2001-08R1
- Subject:** Bombardier DHC-8 – Elevator Stop Bumper
- Effective:** 10 January 2003
- Revision:** Supersedes Airworthiness Directive CF-2001-08 issued 7 February 2001.
- Applicability:** Bombardier Inc. DHC-8 aircraft, Models 102, 103, 106, 201, 202, 301, 311, 314 and 315, serial numbers 003 and subsequent.
- Compliance:** When indicated, unless already accomplished.
- Background:** There was one reported incident where a DHC-8 aircraft experienced an elevator trim problem in flight, due to a broken or missing elevator stop bumper. Investigation revealed that failure of the elevator stop bumper could lead to an elevator over-travel and damage to the elevator trailing edge if it impacts the top portion of the rudder. The damaged elevator can then jam the spring tab, which could result in reduced controllability of the aircraft. A life limit was therefore introduced for the elevator stop bumpers.

In-service experience indicates that the elevator stop bumpers are deteriorating prior to the life limit mandated by the original issue of this directive. This directive has thus been revised to lower the life limit for the elevator stop bumpers.

**Corrective Actions:** **Airworthiness Limitations Change:**

1. Within 30 days after the effective date of this directive, amend the Transport Canada approved maintenance schedule by revising the replacement interval for the elevator stop bumpers (task no. 2730/22), as introduced by Temporary Revision (TR) of Airworthiness Limitations List (AWL) of the DHC-8 Maintenance Program Manuals specified below:

DHC-8 Models	Maintenance Program Manual	Temporary Revision
102, 103, 106	PSM 1-8-7	TR AWL-84
201, 202	PSM 1-82-7	TR AWL 2-24
301, 311, 314, 315	PSM 1-83-7	TR AWL 3-91

**Phase-In Schedule**

2. The phase-in schedule for those elevator stop bumpers that have accumulated more than 5,000 hours or more than thirty (30) months at the effective date of this directive is as follows: replace the elevator stop bumpers within six months or 1,000 hours after the effective date of this directive, whichever occurs first.

**Authorization:** For Minister of Transport

for B. Goyaniuk  
Chief, Continuing Airworthiness

**Contact:** Mr. Anthony Wan, Transport Canada, Continuing Airworthiness, Ottawa, telephone (613) 952-4410, facsimile (613) 996-9178 or e-mail wana@tc.gc.ca or any Transport Canada Centre.

