



No.	CF-2007-30R1	1/2
Issue Date 24 June 2008		

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-2007-30R1
- Subject:** Elevator Overload Bungee: Incorrect Installation
- Effective:** 15 July 2008
- Revision:** Supersedes Airworthiness Directive CF-2007-30 issued on 28 November 2008.
- Applicability:** Bombardier Inc. Models DHC-8-400, DHC-8-401 and DHC-8-402 Serial Numbers 4003, 4004, 4006 and 4008 through 4159
- Compliance:** As detailed below, unless already accomplished.
- Background:** Several production aircraft have been found with the elevator overload bungees installed in reverse orientation: i.e. larger end outboard rather than inboard. This bungee reversal does not impact normal operation of the elevator and would not increase the probability of an elevator disconnect. However, if a bungee became disconnected at the inboard side, the corresponding side of the elevator may not center and this could adversely affect the pitch control of the aircraft.
- This revision amends the effectivity of paragraph B to be the same as that of paragraph A, since only those aircraft with serial numbers 4003, 4004, 4006 and 4008 through 4159 have ever had elevator overload bungee Part Number (P/N) 289000000 installed. In addition, a typographical error in paragraph B has been corrected; "P/N 289006200" has been amended to read "P/N 289000000".
- Corrective Actions:**
- A. Within 5000 hours air time after the effective date of this directive, carry out the following in accordance with Bombardier Service Bulletin (SB) SB 84-27-30, Revision C, dated 31 October 2007, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada:
 1. Visually inspect both left and right elevator overload bungees, Part Number (P/N) FE289000000, to determine if they are correctly installed.
 2. If any bungee is incorrectly installed, remove the bungee and reinstall it correctly before the next flight.
 3. Attach label, P/N FE289006200, to both left and right elevator overload bungees to show the correct orientation of the outboard end.
 4. Re-identify the P/N to read "FE289000001" on the identification plate of both the left and right elevator overload bungees.

Notes: 1. Previous accomplishment of Bombardier Service Bulletin 84-27-27, dated 24 May 2005, meets the requirements of steps A.1 and A.2 of this directive.

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 www.tc.gc.ca/civilaviation/communications/centre/address.asp

2. Previous accomplishment of steps A.1 through A.4 of this directive, in accordance with the original issue (dated 8 February 2007), Revision A (dated 2 March 2007) or Revision B (dated 3 May 2007) of Bombardier Service Bulletin 84-27-30, meets the requirements of this directive.

3. Steps A.3 and A.4 of this directive constitute Modsum 4-113537.

B. As of the effective date of this directive, no replacement/spare elevator overload bungees, P/N FE289000000, are permitted to be installed. Only elevator overload bungees identified with new P/N "FE289000001" on the identification plate may be installed.

Authorization: For Minister of Transport, Infrastructure and Communities

Derek Ferguson
Acting Chief, Continuing Airworthiness

Contact: Mr. Richard Topham, Continuing Airworthiness, Ottawa, telephone 613-952-4428, facsimile 613-996-9178 or e-mail tophamr@tc.gc.ca or any Transport Canada Centre.