



No.	CF-2011-13	1/1
Issue Date	06 June 2011	

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) 521 Division X**. 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), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

- Number:** CF- 2011-13
- Subject:** Horizontal Stabilizer Trim - Erroneous Activation of the Take-off Configuration Aural Warning
- Effective:** 24 June 2011
- Applicability:** Bombardier Inc. DHC-8 Aeroplane Models 400, 401, and 402, Serial Numbers 4001 through 4354 and 4356 through 4358.
- Compliance:** As indicated unless already accomplished

Background: There have been several incidents of DHC-8 aeroplanes experiencing take-off configuration warnings which have resulted in aborted take-offs due to the elevator trim being selected to the maximum of the acceptable take-off trim band range. Investigation revealed that, if the elevator trim is set at either end of the elevator trim take-off band, due to built-in tolerances of the Flight Control Electronic Control Unit (FCECU), the possibility exists that the elevator trim indicator system detects that the trim is out of range and triggers the aural take-off warning. If not corrected, this condition may result in increased number of aborted take-offs, which may become an unacceptable safety risk.

To prevent nuisance aural take-off warning, Bombardier Inc. has developed a modification that expands the take-off warning signal range.

Corrective Actions: Within 6000 hours air time after the effective date of this directive, incorporate Bombardier ModSum 4-126383.

Bombardier Service Bulletin (SB) 84-27-54, Revision A, dated 25 February 2011, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada provides approved instructions for incorporating ModSum 4-126383.

Incorporation of Bombardier SB 84-27-54 Initial issue, dated 04 January 2011, also meets the requirement of this Directive.

Authorization: For the Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Mr. Gordanko Jeremic, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail CAWWEBFeedback@tc.gc.ca or any Transport Canada Centre.

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

