



No.	CF-2010-22	1/1
Issue Date	20 July 2010	

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- 2010-22
- Subject:** Main Landing Gear Stabilizer Extension Spring
- Effective:** 10 August 2010
- Applicability:** Bombardier Inc. DHC-8 aeroplane, Models 400, 401 and 402, serial numbers 4001, 4003 and subsequent.
- Compliance:** As indicated below unless already accomplished.
- Background:** Several reports have been received on failures of the main landing gear (MLG) stabilizer extension springs. A landing gear audit has confirmed that the MLG may not lock in the down-lock position with the absence of both MLG stabilizer extension springs. The loss of the locking mechanism could result in the collapse of the main landing gear.
- This directive is to mandate the incorporation of a new maintenance task for the MLG stabilizer extension springs.
- Corrective Actions:** Within 30 days after the effective date of this directive, amend the Transport Canada approved maintenance schedule by incorporating task number 320100-213 as introduced by the Temporary Revision MRB-45 of the DHC-8 Series 400 Maintenance Requirements Manual, PSM 1-84-7.
- Authorization:** For Minister of Transport, Infrastructure and Communities
- ORIGINAL SIGNED BY
- Robin Lau for
 Derek Ferguson
 Chief, Continuing Airworthiness
- Contact:** Mr. Anthony Wan, 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

