



No.	CF-2014-15	1/1
Issue Date	6 June 2014	

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-2014-15

ATA: 29 **Type Certificate:** A-142

Subject: Hydraulic Power - Main Landing Gear Alternate Extension System Reservoir – Leakage due to Incorrect Lid Assembly

Effective: 20 June 2014

Applicability: Bombardier Inc. model DHC-8-400, -401 and -402 aeroplanes, serial numbers 4001 through 4424.

Compliance: Within 2000 hours air time or 12 months, whichever occurs first, from the effective date of this AD, unless already accomplished.

Background: Several cases have been reported of hydraulic fluid loss from the main landing gear (MLG) alternate extension system reservoir and in one case, the reservoir was found empty. The cause was determined to be an incorrectly assembled reservoir lid. In the event of a failed primary MLG extension system, an alternate MLG extension system with an empty reservoir may not be able to fully extend the MLG into the down and locked position, resulting in an unsafe landing configuration.

This AD mandates the inspection of the MLG alternate extension system reservoir lid for correct assembly and the required rectification.

Corrective Actions: Inspect the MLG alternate extension system reservoir lid for correct assembly, rectify as required, in accordance with Bombardier Service Bulletin 84-29-34, dated 9 May 2013, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Inspection and rectification in accordance with Bombardier All operator Message No. 543, dated 17 October 2012, also meets the requirements of this AD.

Authorization: For the Minister of Transport,

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Helen Tsai, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail AD-CN@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