



No.	CF-2014-18	1/2
Issue Date	19 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-2014-18

ATA: 32 **Type Certificate:** A-142

Subject: Main Landing Gear – Improperly Stowed Parking Brake Hand Pump Lever in Right Hand Side Nacelle

Effective: 3 July 2014

Applicability: Bombardier Inc. model DHC-8-400, -401 and -402 aeroplanes, serial numbers 4001 through 4419.

Compliance: Within 3000 hours air time or 18 months, whichever occurs first, from the effective date of this AD, unless already accomplished.

Background: There has been one (1) reported in-service incident where the main landing gear (MLG) parking brake hand pump lever was not properly secured in the right hand (RH) side nacelle and became dislodged from its mounting bracket. During extension of the MLG, the unsecured lever shifted causing a fouling condition with the nacelle and subsequently puncturing the nacelle structure.

An investigation revealed that the safety restraint pin used to securely stow the lever is susceptible to mishandling. An unsecured parking brake hand pump lever could migrate from its stowed position and foul against the MLG, adversely affecting the safe landing of the aeroplane.

This AD mandates the removal of the MLG parking brake hand pump lever from the RH side nacelle.

Corrective Actions: Incorporate Bombardier ModSum 4-113803 and remove the parking brake hand pump lever from the RH side nacelle. Bombardier Service Bulletin (SB) 84-32-118, Initial Issue, dated 8 April 2014, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, provides approved instructions for incorporating ModSum 4-113803.

Note: The parking brake hand pump lever may be re-installed at the operator's discretion, in the RH side equipment bay through the incorporation of ModSum 4-113804 in accordance with Bombardier SB 84-32-119.

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

Incorporation of Bombardier ModSum 4-113723, which removes the parking brake hand pump lever from the RH side nacelle and re-installs the parking brake hand pump lever in the RH side equipment bay, also satisfies the requirements of this AD. Bombardier SBs 84-32-99, Initial Issue and Revision A, dated 26 January 2012 and 2 October 2012 respectively, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada, provide approved instructions for incorporating ModSum 4-113723.

Authorization: For the Minister of Transport,

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Robert Farinas, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.