



No.	CF-2011-07	1/2
Issue Date	26 April 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- 2011-07

Subject: Roll Control System - Aileron Stiffness

Effective: 17 May 2011

Applicability: All Bombardier Inc. Models CL-600-2C10, CL-600-2D15 and CL-600-2D24 aeroplanes.

Compliance: As indicated below, unless already accomplished.

Background: A number of reports of aileron control stiffness have been received on Bombardier Regional Jet aeroplanes. Bombardier has reviewed the current maintenance tasks for the aileron control system and determined that an additional maintenance task is required.

This directive mandates revision of the approved maintenance schedule to incorporate the discard task for outboard wing aileron pulleys to prevent aileron control stiffness during flight which could result in reduced controllability of the aeroplane.

- Corrective Actions:**
- A. Within 30 days after the effective date of this directive, amend the Transport Canada approved maintenance schedule by incorporating Maintenance Review Board (MRB) task number, 271000-218 – Discard of the outboard wing aileron pulleys as introduced by Temporary revision, TR 1-41 to the Part 1 of the Maintenance Requirements Manual.
 - B. Initial compliance with task number 271000-218 shall be carried out in accordance with the following phase-in schedule:
 1. For aeroplanes that have accumulated less than or equal to 10 000 hours air time at the effective date of this directive, prior to aileron pulley reaching 12 000 hours air time after the effective date of this directive.
 2. For aeroplanes that have accumulated more than 10 000 but not more than 16 000 hours air time at the effective date of this directive, within 2000 hours air time but not to exceed 17 300 hours air time after the effective date of this directive.
 3. For aeroplanes that have accumulated more than 16 000 but not more than 20 000 hours air time at the effective date of this directive, within 1300 hours air time but not to exceed 20 800 hours air time after the effective date of this directive.
 4. For aeroplanes that have accumulated more than 20 000 hours air time at the effective date of this directive, within 800 hours air time after the effective date 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

Canada

Compliance in accordance with superseding Temporary Revision or later revisions of the Maintenance Requirement Manual approved by Transport Canada also satisfies the requirements 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.