



No.	CF-2008-29	1/1
Issue Date	20 August 2008	

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) 593**. 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), Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

- Number:** CF-2008-29
- Subject:** Rudder Lower Torque Tube Upper Bearing Corrosion
- Effective:** 8 September 2008
- Applicability:** Bombardier Inc. CL-215-6B11 (CL-215T) aircraft serial numbers 1056 to 1125 and CL-215-6B11 (CL-415) aircraft serial numbers 2001 to 2990.
- Compliance:** When indicated, unless already accomplished.
- Background:** During a routine inspection, an operator reported corrosion on the rudder lower torque tube upper bearing, part number DAT48-64A, on two aircraft. These bearings had been installed in accordance with service bulletin (SB) 215-4328 as part of the torque tube replacement. Corroded bearings can eventually lead to a rudder jam due to hinge deformation. Bombardier has issued SB 215-3151 and SB 215-4394, which provide instructions for performing a visual inspection, wear check and grease application for the rudder lower torque tube upper bearing and a gap check for the rudder upper hinge.
- Corrective Actions:**
1. Within six months after the effective date of this directive, perform a detailed inspection, wear check and greasing operation for the rudder lower torque tube upper bearings and a gap check on the rudder upper hinge in accordance with the Accomplishment Instructions contained in the applicable original issue of SB 215-3151 or SB 215-4394 (both dated 5 May 2008) or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
 2. Subsequently, repeat this inspection before and after every fire season or at six-month intervals, whichever is the shorter time period.
 3. Replace worn or corroded rudder lower torque tube upper bearings prior to further flight.
- Authorization:** For Minister of Transport, Infrastructure and Communities
- Derek Ferguson
Acting Chief, Continuing Airworthiness
- Contact:** Mr. Bill Miller, Continuing Airworthiness, Ottawa, telephone 613-952-4388, facsimile 613-996-9178 or e-mail millerw@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

