



No.	CF-2012-18	1/1
Issue Date	29 May 2012	

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-2012-18

Subject: Defective Horizontal Stabilizer Trim Actuators

Effective: 12 June 2012

Applicability: Bombardier Inc. aeroplane model CL-600-2B19, serial numbers 7003 and subsequent, equipped with Horizontal Stabilizer Trim Actuators (HSTA) part number (P/N) 601R92305-5 or vendor P/N 8396-4 with serial numbers:

287, 724, 813, 841, 998, 1031, 1035, 1049, 1053, 1067, 1068, 1136, 1252, 1268, 1303, 1319, 1338, 1354, 1374, 1378, 1445, 1470, 1498, 1513, 1546, 1632, 1736, 1766, 1846, 1849, 2002 through 2009, 2011, 2013 through 2016, 2019, 2020 and 2022.

Compliance: As indicated below, unless already accomplished.

Background: It was discovered that a number of primary wheels on the HSTA P/N 601R92305-5 (or vendor P/N 8396-4) had burr marks. Investigation revealed that the burr marks were a result of incorrectly using the manufacturing process. In addition, some rings that were fitted on the primary wheel shaft were found cracked. If not corrected, this condition may lead to a disconnect of the pitch trim surface and subsequent loss of pitch control.

This AD mandates the removal of the affected units that have the above described manufacturing defect.

Corrective Actions: Within 1000 hours air time or 4 months, whichever occurs first, from the effective date of this AD, remove and replace the affected HSTA P/N 601R92305-5 or vendor P/N 8396-4 as listed in the applicability section of this AD, in accordance with the Accomplishment Instructions of Part 2 of Bombardier Aerospace Service Bulletin (SB) 601R-27-159, dated 15 June 2011, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

As of the effective date of this AD, it is prohibited for anyone to install HSTA P/N 601R92305-5 or vendor P/N 8396-4 with a serial number listed in the applicability section of this AD unless the serial number has the suffix "A" beside it.

Authorization: For the Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

David Turnbull
Director, National Aircraft Certification

Contact: Mr. Gordanko Jeremic, Continuing Airworthiness, Ottawa, telephone 613-952-4379, facsimile 613-996-9178 or e-mail ADs@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