



No.	CF-2011-45	1/2
Issue Date	19 December 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-2011-45

Subject: Horizontal Stabilizer Trim Actuator Attachment Pins and Trunnions Not Serialized

Effective: 9 January 2012

Applicability: All Bombardier Inc. Model CL-600-2B19 Aeroplanes.

Compliance: As indicated below, unless already accomplished.

Background: During a review of the Horizontal Stabilizer Trim Actuator (HSTA) system, it was discovered that the safe life limits and the inspection requirements for the HSTA attachment pins and trunnions were not listed in the Airworthiness Limitations Section of the Instructions for Continued Airworthiness. Also, the HSTA attachment pins and trunnions were not serialized making it impossible to keep accurate records of the life of these parts. Failure of these pins and trunnions will lead to a disconnect of the horizontal stabilizer and subsequent loss of the aeroplane.

This Airworthiness Directive (AD) mandates the serialization of the HSTA attachment pins and trunnions.

Corrective Actions:

A. Within 5000 hours air time or within five (5) years, from the effective date of this AD, or prior to reaching 40 000 flight cycles, whichever occurs first, inspect and add serial numbers and new part numbers to the following parts in accordance with Bombardier Service Bulletin (SB) 601R-27-160, dated 29 September 2011, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada:

Part Name	Part Number
Upper Pin	600-92384-5
Upper Pin	600-92384-7
Upper Pin	601R92310-1
Lower Pin	600-92383-5
Lower Pin	600-92383-7
Lower Pin	601R92309-1
Trunnion	601R92386-1

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

B. Within 30 days from the effective date of this AD, amend the Transport Canada approved maintenance schedule by:

1. Incorporating the structural life limits for the HSTA trunnion as introduced by the Temporary Revision (TR) 2B-2180 of the Canadair Regional Jet Maintenance Requirement Manual (MRM), Appendix B, "Airworthiness Limitations".
2. Incorporating the inspection requirements for the HSTA upper and lower pins as introduced by TR 2B-2186 of the Canadair Regional Jet Maintenance Requirement Manual (MRM), Appendix B, "Airworthiness Limitations".

C. Subsequently, comply with the new Airworthiness Limitations described in Paragraph B of this AD.

Authorization: For the Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Mr. Anthony Wan, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail CAWWEBFeedback@tc.gc.ca or any Transport Canada Centre.

SUPERSEDED