



No.	CF-2013-06	1/2
Issue Date	27 February 2013	

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-2013-06

Subject: Incorrect Bushings in the Nacelle Upper Strut Assemblies

Effective: 14 March 2013

Applicability: Bombardier Inc. aeroplanes:

Model CL-215-6B11 (CL-215T), serial numbers 1056 1057, 1061, 1080, 1109, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1125 and Model CL-215-6B11 (CL-415), serial numbers 2001 to 2067

Compliance: As indicated below, unless already accomplished.

Background: It was discovered in several cases that nacelle strut bushings with part number (P/N), 85410265-105, have been inadvertently installed in lieu of P/N 85410265-103. Bushing P/N 85410265-105 is shorter than bushing P/N 85410265-103 and provides for less engagement in the strut fork end, P/N 215T16534-12/-13, which may deform under the bearing load leading to the failure of the joint.

Corrective Actions: **Part I - Inspection of the Bushing**

- A. Within 3 months from the effective date of this AD inspect both the left and right nacelle upper strut bushings in accordance with the Accomplishment Instructions in paragraph 2.D of the applicable Bombardier Alert Service Bulletin (ASB) 215-A3173, dated 11 April 2012, or ASB 215-A4453, dated 11 April 2012, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. If bushings with P/N 85410265-103 are installed, reinstall the bolts and preload indicating (PLI) washers in accordance with the Accomplishment Instructions in paragraph 2.G of the applicable above mentioned ASB.
- C. If bushings with P/N 85410265-105 are installed in either nacelle, proceed to Part II or III of this AD as applicable.

Part II - Replacement of the Bushing

If bushings P/N 85410265-105 are installed and bushings P/N 85410265-103 are readily available, replace the bushings in accordance with the Accomplishment Instructions in paragraph 2.E and continue with the installation of bolt and PLI washer in accordance with the Accomplishment Instructions in paragraph 2.G of the applicable above mentioned ASB.

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

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Part III - Repair of the Bushing

- A. If bushings P/N 85410265-105 are installed and bushings P/N 85410265-103 are not readily available, repair the bushing installation in accordance with the Accomplishment Instructions in paragraph 2.F and continue with the installation of bolt and PLI washer in accordance with the Accomplishment Instructions in paragraph 2.G of the applicable above mentioned ASB.
- B. The repaired bushings shall be replaced by bushings P/N 85410265-103, at the next scheduled 5000 hours maintenance check or the next engine removal, whichever occurs first.

Terminating Action

Inspection confirming that nacelle strut bushings of P/N 85410265-103 are installed in the aeroplane or installation of nacelle strut bushing P/N 85410265-103 constitutes as the terminating action for this AD.

Authorization: For the Minister of Transport, Infrastructure and Communities,

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Yosha Mendis, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail ADs@tc.gc.ca or any Transport Canada Centre.