



AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.

Number:

CF-2016-34

Effective Date:

28 October 2016

ATA:

53

Type Certificate:

A-131

Subject:

Fuselage - Improperly Installed Shims at the Wing Tie Beam Bumper Pads

Applicability:

Bombardier Inc.:

Model CL-600-1A11 aeroplanes, serial numbers 1004 through 1085,

Model CL-600-2A12 aeroplanes, serial numbers 3001 through 3066,

Model CL-600-2B16 aeroplanes, serial numbers 5001 through 5194.

Compliance:

Within 30 days from the effective date of this AD, unless already accomplished.

Background:

Bombardier has determined that laminated shims may have been improperly installed at the floor/wing tie beam bumper pads. Improperly installed shims may become damaged, which could result in a gapping condition. This would lead to increased stress and degradation of structural integrity of the tie beam. Undetected failure may lead to premature cracking of the pressure floor.

Bombardier has introduced revised maintenance tasks through revisions of the applicable CL-600 Time Limits Maintenance Checks (TLMCs) to confirm structural integrity of the affected tie beam.

This AD is issued to mandate the incorporation of the applicable revised TLMC tasks.

Corrective Actions:

Amend the Transport Canada approved maintenance schedule to incorporate tasks as found in the TLMC revisions listed in Table A below:

Aeroplane model (serial numbers)	Task Number	TLMC Manual Number	Chapter	Revision Number	Revision Date
CL-600-1A11 (1004-1085)	53-10-00-131	PSP 605	5-10-30	37	29 April 2016
CL-600-2A12 (3001-3066)	53-10-00-133	PSP 601-5	5-10-30	44	29 April 2016
CL-600-2B16 (5001-5194)	53-10-00-134	PSP 601A-5	5-10-30	40	29 April 2016

Table A

Compliance with later revisions of the above-mentioned tasks in the TLMC manuals, approved by Transport Canada also satisfies the requirements of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Robin Lau
Acting Chief, Continuing Airworthiness
Issued on 14 October 2016

Contact:

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