



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) with ADs.

Number:

CF-2023-79

Effective Date:

4 January 2024

ATA:

25

Type Certificate:

A-276

Subject:

Equipment/Furnishings – Overhead Storage Compartments – Improvement of the Overhead Bin Harnesses Over the Class Divider

Replacement:

Supersedes AD CF-2023-56, issued 24 July 2023.

Applicability:

MHI RJ Aviation ULC. (Formerly Bombardier Inc.) aeroplanes:

Model CL-600-2C10 serial numbers 10302, 10304 through 10313, 10315 through 10321, 10323 through 10326 and 10328 through 10331;

Model CL-600-2D15 and CL-600-2D24, serial numbers 15036, 15037, 15040, 15041, 15043 through 15055, 15058, 15059, 15060 through 15062, 15067, 1 5069, 15070, 15082, 15086, 15093, 15098 and 15099, 15100, 15101, 15105, 15107 through 15109, 15114, 15124 through 15127, 15130 through 15164, 15166 through 15168, 15170 through 15174, 15176 through 15179, 15181, 15183, 15184, 15186 through 15203, 15205, 15208, 15210, 15212, 15213, 15217, 15219, 15222, 15223, 15225 through 15228, 15232, 15235, 15272, 15279, 15292 through 15311, 15313 through 15320, 15322 through 15331, 15333 through 15343, 15345 through 15357, 15360 through 15362, 15365 through 15367, 15373 through 15394, 15404, 15405, 15407, 15408, 15411 through 15413, 15415, 15416, 15420 through 15424, 15449, 15451 through 15495, 15498 and 15499.

Compliance:

As indicated below, unless already accomplished.

Background:

During a CRJ900 fleet random inspection it was revealed that electrical harnesses in the overhead bin above the class divider may have no separation or insufficient separation with the class divider mounting plate. This condition, if not corrected, could lead to the electrical harnesses becoming damaged. If damaged, the following aircraft systems can be affected: ordinance signs, emergency lights/signs, passenger oxygen, passenger address and air conditioning systems.

AD 2023-56 mandated the inspection of the overhead bin electrical harnesses at the class dividers, in accordance with MHIRJ Service Bulletin (SB) 670BA-25-138 and gave instructions to perform a modification to prevent damage to the wires.

Since AD CF-2023-56 was issued, new aeroplane serial numbers were identified by MHIRJ as requiring corrective actions while some aeroplane serial numbers were previously incorrectly identified as affected by this unsafe condition.

This AD revises the applicability and otherwise maintains the requirements of AD CF-2023-56.

Corrective Actions:

For the purpose of this AD, the following definition applies:

The SB: MHIRJ SB 670BA-25-138, Revision A, dated 06 November 2023, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Group 1 aeroplanes: Model CL-600-2C10 serial numbers 10302, 10304 through 10313, 10315 through 10321, 10323 through 10326 and 10328 through 10331; and Model CL-600-2D15 and CL-600-2D24, serial numbers 15054, 15058, 15059, 15100, 15101, 15105, 15107 through 15109, 15114, 15124 through 15127, 15130 through 15164, 15166 through 15168, 15170 through 15174, 15176 through 15179, 15181, 15183, 15184, 15186 through 15203, 15205, 15208, 15210, 15212, 15213, 15217, 15219, 15222, 15223, 15225 through 15228, 15232, 15235, 15272, 15279, 15292 through 15311, 15313 through 15320, 15322 through 15331, 15333 through 15343, 15345 through 15357, 15360 through 15362, 15365 through 15367, 15373 through 15394, 15404, 15405, 15407, 15408, 15411 through 15413, 15415, 15416, 15420 through 15424, 15449, 15451 through 15495, 15498 and 15499.

Group 2 aeroplanes: Model CL-600-2D15 and CL-600-2D24, serial numbers 15036, 15037, 15040, 15041, 15043 through 15053 and 15055 that have been modified in accordance with the accomplishment instructions of SB 670BA-25-110, Equipment and Furnishings – Passenger Compartment - Modification of the Interior Configuration of the Aircraft.

Group 3 aeroplanes: Model CL-600-2D15 and CL-600-2D24, serial numbers 15036, 15037, 15040, 15041, 15043 through 15053 and 15055 that have not been modified in accordance with the accomplishment instructions of SB 670BA-25-110, Equipment and Furnishings – Passenger Compartment - Modification of the Interior Configuration of the Aircraft.

Group 4 aeroplanes: Model CL-600-2D15 and CL-600-2D24, serial numbers 15060 through 15062, 15067, 15069, 15070, 15082, 15086, 15093, 15098 and 15099 that have been modified in accordance with the accomplishment instructions of SB 670BA-25-057, Equipment and Furnishings – Passenger Compartment - Change the Passenger Compartment Configuration from a 70 Passengers to a 76 Passengers.

Group 5 aeroplanes: Model CL-600-2D15 and CL-600-2D24, serial numbers 15060 through 15062, 15067, 15069, 15070, 15082, 15086, 15093, 15098 and 15099 that have not been modified in accordance with the accomplishment instructions of SB 670BA-25-057, Equipment and Furnishings – Passenger Compartment - Change the Passenger Compartment Configuration from a 70 Passengers to a 76 Passengers.

Part I – Applicable to Group 1, Group 2 and Group 4 Aeroplanes**A. Overhead Bin Electrical Harness Inspection**

Within 4400 hours air time or 24 months, whichever occurs first, from the effective date of AD CF-2023-56 (7 August 2023), inspect the left-hand and right-hand overhead bin electrical harnesses for signs of chafing where the electrical harnesses are adjacent to the class divider mounting plate and, modify as required in accordance with Section 2, Part A, paragraph B (2) and B (3) of the Accomplishment Instructions of the SB.

Completing the Accomplishment Instructions, Section 2, Part A, paragraph B (2) and B (3) of the MHIRJ SB 670BA-25-138, Initial Issue, dated 23 February 2023, prior to the effective date of this AD, also meets the requirement of this paragraph.

B. Terminating Action

Within 8800 hours air time or 48 months, whichever occurs first, from the effective date of AD CF-2023-56 (7 August 2023), perform the actions required by Section 2, Part B, paragraph E of the Accomplishment Instructions of the SB.

Completing the Accomplishment Instructions, Section 2, Part B, paragraph E of the SB constitutes terminating action to this AD.

Completing the Accomplishment Instructions, Section 2, Part B, paragraph E of the MHIRJ SB 670BA-25-138, Initial Issue, dated 23 February 2023, prior to the effective date of this AD, also constitutes terminating action to this AD.

Part II – Applicable to Group 3 and Group 5 Aeroplanes

For these aeroplane models, no further action is required at this time.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young

Chief, Continuing Airworthiness

Issued on 21 December 2023

Contact:

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