



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-2023-56

Effective Date:

7 August 2023

ATA:

25

Type Certificate:

A-276

Subject:

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

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, 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.

This AD mandates the inspection of the overhead bin electrical harnesses at the class dividers, in accordance with MHIRJ Service Bulletin (SB) 670BA-25-138 and gives instructions to perform an improvement to prevent damage to the wires.

Corrective Actions:

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

The SB: MHIRJ SB 670BA-25-138, Initial Issue, dated 23 February 2023, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Part I – Overhead Bin Electrical Harness Inspection

Within 4400 hours air time or 24 months, whichever occurs first, from the effective date of this AD, 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, in accordance with Section 2, Part A, paragraph B(2) and B(3) of the Accomplishment Instructions of the SB.

Part II – Terminating Action

Within 8800 hours air time or 48 months, whichever occurs first, from the effective date of this AD, 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.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 24 July 2023

Contact:

Philip Lynch, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.