



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-2023-71

Effective Date:

30 October 2023

ATA:

25

Type Certificate:

A-276

Subject:

Equipment/Furnishings – Storage Compartment – Potential failure of Overhead Bins Attachments

Applicability:

MHI RJ Aviation ULC. (formerly Bombardier Inc.) model CL-600-2B19 aeroplanes, serial numbers 7673 through 7683, 7685 through 7689, 7691 through 7696, 7698 through 7703, 7705 through 7788, 7790 through 7990, 8000 through 8042, 8044, 8045, 8047, 8049, 8050, 8058, 8059, 8061, 8062, and 8064.

Compliance:

As indicated below, unless already accomplished.

Background:

During a review of the certification test of the overhead bin configuration (also referred to as overhead storage compartment), it was discovered that the aft serrated hook attachment could fail when the overhead bin is subjected to the 9G forward emergency landing condition certification requirements. A design review revealed that a tolerance build-up could lead to a lack of engagement between the serrated hooks and the supporting serrated tube. This condition leads to a lack of forward load reaction capability during a high forward G emergency landing condition and could also result in displacement of the overhead bins. As a result, the overhead bins could fall on the occupants and/or prevent access to emergency exits.

This AD requires the replacement of the existing serrated hook assemblies and serrated support tubes with hook assemblies using a shear pin and non-serrated support tubes on the overhead bins, in accordance with MHI RJ Aviation ULC. (MHIRJ) Service Bulletin (SB) 601R-25-206.

Corrective Actions:

Within 6000 hours air time or 44 months, whichever occurs first, from the effective date of this AD, replace the existing serrated hook assemblies and serrated support tubes with hook assemblies using shear pin and non-serrated support tubes, in accordance with section 2B of the Accomplishment Instructions of MHIRJ SB 601R-25-206, Initial Issue, dated 29 June 2023, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 16 October 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.