



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-2021-31

Effective Date:

28 September 2021

ATA:

57

Type Certificate:

A-276

Subject:

Wings – Lower Wing Plank

Applicability:

MHI RJ Aviation ULC. (formerly Bombardier Inc.) model CL-600-2D24 aeroplanes, serial numbers 15462 through 15475.

Compliance:

Within 8800 hours air time from entry-into-service, unless already accomplished.

Background:

A total of 14 aeroplanes are suspected to have dents on the lower wing plank, close to the five flap arm locations at wing station (WS) 54.55, WS128.00, WS179.00, WS220.00 and WS264.00, as a result of manufacturing errors. It is possible that a crack could initiate and propagate to the extent that the wing's critical residual strength is approached before being detected by existing mandatory threshold inspections at those locations. In order to mitigate this unsafe condition, a one-time detailed visual inspection is required to determine the actual condition of the lower wing plank.

This AD mandates the inspection of the lower wing plank in the flap arm areas, and if damage is found, a MHI RJ Aviation ULC. (MHIRJ) approved repair or disposition will be required.

Corrective Actions:

Perform a detailed visual inspection in accordance with Paragraph 2.B. of the Accomplishment Instructions of MHIRJ Service Bulletin (SB) 670BA-57-029, dated 2 February 2021, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

If damage is found during the inspection, contact MHIRJ for an approved repair or disposition. The repair or disposition must specifically refer to this AD and to the SB mentioned above.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 14 September 2021

Contact:

Mihaela Kramer, 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.