



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-2024-24

Effective Date:

4 July 2024

ATA:

55

Type Certificate:

A-276

Subject:

Horizontal Stabilizer (H-Stab) – Anti Yaw Steady Fitting Block – Missing or Loose Bolts

Applicability:

MHI RJ Aviation ULC. (MHIRJ) (formerly Bombardier Inc.) aeroplanes:

Model CL-600-2C10 and CL-600-2C11, serial numbers 10002 through 10999.

Model CL-600-2D15 and CL-600-2D24, serial numbers 15001 through 15990.

Model CL-600-2E25, serial numbers 19001 through 19990.

Compliance:

As indicated below, unless already accomplished.

Background:

It was reported during the completion of a maintenance task on the H-Stab that a bolt from the H-Stab anti-yaw steady fitting was missing. The missing bolt and associated hardware were found lying on adjacent structure. Other bolts in the same bolt group on the anti-yaw steady fitting block were found to be loose. The anti-yaw steady fitting block bolts do not have a second locking feature.

Loose or missing bolts on the anti-yaw steady fitting block when combined with a bird strike or gust loading may result in loss of the H-Stab.

This AD requires an inspection of the anti-yaw steady fitting block bolts at set intervals to confirm the bolts are present and torqued to drawing requirements until new bolts with a second locking feature are installed.

Corrective Actions:

- A. Within 2200 hours air time or 18 months, whichever occurs first, from the effective date of this AD, check the torque of the H-Stab anti-yaw steady fitting block bolts in accordance with section 2.B. of the Accomplishment Instructions of MHIRJ SB 670BA-55-014 Initial Issue dated 28 March 2024, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. Thereafter, repeat the torque check indicated in Paragraph A of this AD every 2200 hours air time from the previous inspection.
- C. Within 8800 hours air time or 6 years, whichever occurs first, from the effective date of this AD, complete the procedure including the replacement of H-Stab anti-yaw steady fitting block hardware in accordance with section 2.E. of the Accomplishment Instructions of MHIRJ SB 670BA-55-014 Initial Issue dated 28 March 2024, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

D. Accomplishment of Paragraph C of this AD constitutes a terminating action to the initial and repeat inspection requirements of Paragraph A and Paragraph B of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 20 June 2024

Contact:

Christopher Banken, 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.