



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-2023-76

Effective Date:

12 December 2023

ATA:

24

Type Certificate:

A-276

Subject:

Electrical Power – Air Driven Generator (ADG) – Locking Cam Screw and Cam Nut Assembly Production Installation Deficiency

Applicability:

MHI RJ Aviation ULC. (MHIRJ) (formerly Bombardier Inc.) model CL-600-2D15 and CL-600-2D24 aeroplanes, serial numbers 15476 through 15499.

Compliance:

As indicated below, unless already accomplished.

Background:

MHIRJ received a supplier quality escape notice, reporting that the torque wrenches used to install the ADG downlock cam nut were out of calibration. This resulted in a higher torque level setting than required by drawing, during the initial production installation of the affected cam nut.

This over-torque condition could cause the screw and cam to fail, which if not corrected, could result in a loss of the ADG downlock mechanism functionality on aircraft touchdown.

This AD requires the replacement of the affected ADG locking cam screw and nut.

Corrective Actions:

Within 2900 hours air time or 18 months, whichever occurs first, from the effective date of this AD, replace the locking cam screw and cam nut in accordance with Section 2.B. of the Accomplishment Instructions of MHIRJ Service Bulletin (SB) 670BA-24-040 Revision A, dated 07 November 2023, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Aeroplanes that have been modified in accordance with Section 2.B. of the Accomplishment Instructions of MHIRJ SB 670BA-24-040 Initial Issue, dated 26 September 2023, prior to the effective date of this AD, meet the intent of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 28 November 2023

Contact:

Danilo Verrelli, 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.