



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-2023-75

Effective Date:

12 December 2023

ATA:

35

Type Certificate:

A-276

Subject:

Oxygen – Crew Oxygen System – Oxygen Fitting 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 bulkhead fittings on the oxygen lines of the flight crew oxygen mask stowage boxes and adapter fitting on the oxygen pressure gauge were out of calibration. This resulted in a higher torque level setting than required by drawing, during the initial production installation of the affected fittings.

This over-torque condition could cause damage to the oxygen line fittings, which if not corrected, could cause oxygen leakage before being annunciated and result in lack of oxygen to the flight crew when needed.

This AD requires the replacement of the affected oxygen line fittings.

Corrective Actions:

Part I – Replacement of the Bulkhead Fittings on the Oxygen Lines of the Mask Stowage Boxes

Within 4000 hours air time or 24 months, whichever occurs first, from the effective date of this AD, replace the bulkhead fittings on the oxygen lines of the mask stowage boxes in accordance with Part A, Section 2.B. of the Accomplishment Instructions of MHIRJ Service Bulletin (SB) 670BA-35-018, dated 29 September 2023, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Part II – Replacement of the Fitting Adapter on the Oxygen Pressure Gauge

Within 8800 hours air time or 48 months, whichever occurs first, from the effective date of this AD, replace the fitting adapter on the oxygen pressure gauge in accordance with Part B, Section 2.E. of the Accomplishment Instructions of MHIRJ SB 670BA-35-018, dated 29 September 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 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.