



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-2024-35

Effective Date:

30 October 2024

ATA:

23

Type Certificate:

A-276

Subject:

Communication – Cockpit Voice Recorder (CVR) – Impact Switch Found Installed in Wrong Direction

Applicability:

MHI RJ Aviation ULC. (MHIRJ) (formerly Bombardier Inc.) aeroplanes model CL-600-2C10, CL-600-2C11, CL-600-2D15, CL-600-2D24, CL-600-2E25, all serial numbers.

Compliance:

As indicated below, unless already accomplished.

Background:

An operator reported that the impact switch part number (P/N) 3L0-453-2 was installed in the wrong direction on a CL-600-2E25 (Regional Jet Series 1000) aeroplane. The incorrect installation was determined to have occurred in production as there was no record of any maintenance being performed in the area by the operator.

The impact switch disables power to the CVR in the event of an accident to prevent overwriting cockpit recordings. This loss of data could hinder the identification of the unsafe condition which caused the accident and prevent Transport Canada from developing and mandating actions to prevent additional accidents caused by that same unsafe condition.

This AD requires an inspection of the CVR impact switch installation to ensure installation has been performed in accordance with Aircraft Maintenance Manual (AMM) task 23-71-10-400-801 and that the reset switch is pointed to the front of the aircraft.

Corrective Actions:

- A. Within 12 months from the effective date of this AD, inspect the installation of the impact switch P/N 3L0-453-2 in accordance with the MHIRJ AMM task 23-71-10-400-801 to confirm the reset switch faces forward.
- B. If the impact switch is found not installed in the proper direction, re-install the impact switch in accordance with MHIRJ AMM task 23-71-10-400-801.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 16 October 2024

Contact:

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