



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-2020-23

Effective Date:

8 July 2020

ATA:

30

Type Certificate:

A-276

Subject:

Ice and Rain Protection – Wing Anti-Ice System – Piccolo Duct Holes Not Conforming to Drawing (DWG) Requirements

Applicability:

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

Model CL-600-2C10 and CL-600-2C11, serial numbers 10082, 10135, 10141, 10155, 10166, 10173, 10178, 10186, 10249, 10296 and 10327,

Model CL-600-2D24, serial numbers 15099, 15102, 15144, 15159, 15201, 15212, 15279, 15396, 15409 through 15413, 15415, 15419 through 15427, 15430, 15449 and 15453.

Compliance:

Within 8800 hours air time from the effective date of this AD, unless already accomplished.

Background:

MHI RJ Aviation ULC. (MHIRJ) received several disclosure letters from the supplier and manufacturer of piccolo ducts which reported non-conformances to the drawing requirements. These non-conformances affect the piccolo duct bleed holes. Some ducts were reported to have been manufactured with undersized hole diameters, un-burred holes and hole pattern deviations from the centreline of the ducts. This quality escape affects piccolo duct assemblies installed at slats #1, #2 and #3. If not corrected, this situation may lead to potential degradation of the wing anti-ice (WAI) protection on the section of the affected slat's leading edge, which could result in aircraft handling issues in critical phases of flight.

This AD mandates the inspection of piccolo duct assemblies for affected parts and serial numbers. Affected parts must be removed and discarded, and replaced with a new piccolo duct assembly.

Corrective Actions:

Inspect and rectify the affected aeroplanes in accordance with the Accomplishment Instructions, as applicable to the specific aeroplane serial number and component affected, of MHIRJ Service Bulletin (SB) 670BA-30-25, Initial Revision, dated 17 December 2019, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 24 June 2020

Contact:

Philip Lynch, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.