



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-2023-19

Effective Date:

27 March 2023

ATA:

36

Type Certificate:

A-276

Subject:

Pneumatic – 14th Stage Bleed Duct Missing Insulation

Applicability:

MHI RJ Aviation ULC. (MHIRJ) (formerly Bombardier Inc.) model CL-600-2B19 aeroplanes, all serial numbers.

Compliance:

As indicated below, unless already accomplished.

Background:

During an inspection of the engine pylons, a 12-inch piece of insulation was found missing on the 14th stage bleed ducts installed in both left hand (L/H) and right hand (R/H) engine pylon areas. The absence of insulation on the bleed duct will allow heat to radiate to the surrounding structure and, if not corrected, could lead to the loss of the structural integrity of the engine pylon(s).

This AD mandates the visual inspection of the engine pylon structure and introduces a new airworthiness certification maintenance requirement for the inspection of the 14th stage bleed ducts for missing or damaged insulation.

Corrective Actions:

Part I – Pylon Structure Inspection by Service Bulletin (SB)

Applicable to model CL-600-2B19 aeroplanes, serial numbers 7031, 7045, 7069, 7078, 7089, 7102, 7110, 7168, 7188, 7203, 7212, 7217, 7229, 7231, 7236, 7243, 7257, 7258, 7269, 7271, 7276, 7284, 7290, 7302, 7304, 7306, 7310, 7328, 7339, 7342, 7355, 7358, 7360, 7401, 7404, 7437, 7441, 7448, 7458, 7474, 7476, 7479, 7495, 7502, 7503, 7517, 7527, 7530, 7532, 7548, 7551, 7574, 7575, 7579, 7582, 7586, 7588, 7599, 7600, 7606, 7609, 7623, 7632, 7648, 7657, 7658, 7664, 7667, 7674, 7681 through 7683, 7687, 7715, 7727, 7743, 7748 through 7750, 7758, 7760, 7769, 7780, 7810, 7817, 7818, 7821, 7822, 7857, 7859, 7871, 7873, 7889, 7892, 7895, 7909, 7912, 7913, 7920, 7922, 7923, 7926, 7929, 7932, 7935, 7937, 7954, 7961, 7964 and 8011.

Within 48 months or 6600 hours air time, whichever occurs first, from the effective date of this AD, inspect spar FS654.50, spar FS672.20, and the firewall in accordance with Section 2.B. of the Accomplishment Instructions of MHIRJ SB 601R-54-006, dated 13 September 2022, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Part II – Introduction of Certification Maintenance Requirements (CMR) Task

- A. Within 60 days from the effective date of this AD, incorporate the CMR Task Number C36-12-133-01 for the detailed inspection for missing insulation/heat shield on the 14th stage bleed duct, running through the L/H and R/H pylon area between FS654 and FS672 in the Maintenance Requirement Manual (MRM) Part 2 of CSP A-053, as introduced by Temporary Revision (TR) 2A-76, dated 29 September 2022.

- B. Within 48 months or 6600 hours air time, whichever occurs first, from 29 September 2022 (the initial release date of TR 2A-76), perform the initial detailed inspection for missing insulation/heat shield on the 14th stage bleed duct, running through the L/H and R/H pylon area between FS654 and FS672, in accordance with CMR Task Number C36-12-133-01 of the MRM Part 2 CSP A-053, as introduced by TR 2A-76, dated 29 September 2022.
- C. Thereafter, repeat the detailed inspection for missing insulation/heat shield on the 14th stage bleed duct, running through the L/H and R/H pylon area between FS654 and FS672, in accordance with the intervals specified in the MRM Part 2 of CSP A-053, as introduced by TR 2A-76, dated 29 September 2022.

Compliance with superseding TRs affecting these tasks, or later revisions of the MRM, approved by Transport Canada, also meets the intent of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 13 March 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.