



EMERGENCY 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-2024-28

Effective Date:

3 August 2024

ATA:

57

Type Certificate:

A-236

Subject:

Wings - Left Hand (LH) Main Landing Gear (MLG) Fuse Pin Missing

Applicability:

Airbus Canada Limited Partnership (ACLP) (formerly C Series Aircraft Limited Partnership (CSALP), Bombardier Inc.) aeroplanes:

Model BD-500-1A10, serial numbers 50001 through 50065 and 50067 through 50076,

Model BD-500-1A11, serial numbers 55001 through 55284, 55286 and 55289.

Compliance:

As indicated below unless already accomplished.

Background:

During scheduled maintenance, one of the Pintle Fuse Pins (Part Number C01677412-001) in the LH MLG was discovered to be missing. A missing or damaged Pintle Fuse Pin would lead to a significant redistribution of loads in the MLG assembly and reduce the capability of the MLG assembly to withstand those loads, potentially resulting in the collapse of the MLG during takeoff.

To address this unsafe condition, this AD mandates a Detailed Visual Inspection (DVI) of the MLG assembly to verify the presence and correct installation of the Pintle Fuse Pins.

Corrective Actions:

For the purpose of this AD, the following definition applies:

ACLP AOT: ACLP Alert Operators Transmission A220-AOT-57-21-001 Rev. --, dated 31 July 2024, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

- A. Within 24 Flight Cycles from the effective date of this AD, perform a DVI of the MLG Pintle Housing Assembly to verify that the Pintle Fuse Pins are present and correctly installed in accordance with Section 4.2.2 of the ACLP AOT.
- B. If any Pintle Fuse Pins are found to be incorrectly installed or missing, before further flight, contact ACLP for an approved disposition in accordance with Section 4.2.3 of the ACLP AOT and incorporate that disposition before further flight.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Philip Tang
Acting Chief, Continuing Airworthiness
Issued on 1 August 2024

Contact:

William Humphries, 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.