



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-2025-18

Effective Date:

4 April 2025

ATA:

53

Type Certificate:

A-236

Subject:

Fuselage – Harness Low Clearance Condition in the AFT Fuselage Below Floor

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, 50067 through 50069,

Model BD-500-1A11, serial numbers 55001 through 55230, 55232, 55233, 55235, 55236, 55238, 55240, 55242 through 55246

Compliance:

As indicated below, unless already accomplished.

Background:

During final assembly of an aeroplane, ACLP discovered a low clearance condition between a hydraulic motor pump harness and the aeroplane structure at AFT fuselage between FR80 and FR81. Harness chafing in this area can generate an ignition source. This condition, if not corrected, could lead to an uncontained fire when in the presence of flammable fluids.

To address this unsafe condition, this AD requires the modification of the harness installation to eliminate the low clearance condition.

Corrective Actions:

Within 9350 hours air time from the effective date of this AD, perform the modification of the harness installation in accordance with the procedure in section 2 of the Accomplishment Instructions of ACLP Service Bulletin BD500-537004, Issue 001, dated 19 July 2024, 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 21 March 2025

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.