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-2026-16

Effective Date:

9 April 2026

ATA:

53

Type Certificate:

A-236

Subject:

Fuselage – Middle (Mid) Avionics Bay Susceptibility to Fluid Infiltration

Applicability:

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

Model BD-500-1A10, serial numbers 50001 through 50088,

Model BD-500-1A11, serial numbers 55001 through 55476.

Compliance:

Within 9350 hours air time from the effective date of this AD, unless already accomplished.

Background:

There have been multiple in-service events of water ingress into the mid avionics bay, likely originating from cabin water spillage. These events resulted in multiple system losses, associated Crew Alerting System messages, and flight diversions. An engineering review by ACLP determined that the mid avionics bay is susceptible to fluid infiltration. Within this compartment, certain electrical wiring interconnection system line replaceable units are not qualified for water ingress.

If not corrected, water infiltration into the mid avionics bay could lead to cascading failures of essential systems, adversely affecting continued safe flight and landing, and excessively increasing flight crew workload. To mitigate this unsafe condition, this AD mandates the application of sealant along spaces between floor panels and seat track crowns, and between floor beams and seat tracks located above the mid avionics bay.

This AD is considered an interim action and further AD action may follow.

Corrective Actions:

Apply self-levelling sealant around left and right floor panels and sealant at seat track joints above the mid avionics compartment in accordance with the procedure in Section 3 of Part A and Part B, as applicable, of the Accomplishment Instructions of ACLP Service Bulletin BD500-530017, Issue 001, dated 15 December 2025, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

NOT ADOPTED

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jean Grenier
Acting Chief, Continuing Airworthiness
Issued on 26 March 2026

Contact:

Hilary Ross, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.

NOT ADOPTED