



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-2025-68

Effective Date:

30 December 2025

ATA:

32

Type Certificate:

A-236

Subject:

Landing Gear – Degraded Anti-Skid Performance on a Contaminated Runway

Applicability:

Airbus Canada Limited Partnership (ACLP) (formerly C Series Aircraft Limited Partnership (CSALP), Bombardier Inc.) model BD-500-1A11 aeroplanes, serial numbers 55001 through 55388, 55390 through 55397, 55399, and 55402.

Compliance:

Within 24 months from the effective date of this AD, unless already accomplished.

Background:

There have been multiple in-service reports associated with degraded braking performance and directional control issues during landings on contaminated runways. Tires have also been found damaged post-flight and during the external walkaround. An investigation determined that the degraded anti-skid performance could possibly induce a locked wheel condition, resulting in degraded braking performance, and contributing to lateral deviations. Under certain conditions, lateral runway excursions may occur.

To mitigate some of these issues, Transport Canada (TC) previously issued Civil Aviation Safety Alert (CASA) CASA-2023-07 to raise awareness of relevant operational procedures/guidelines provided by ACLP's Flight Operations Transmissions (FOT), A220-FOT-00-00-001 and A220-FOT-32-40-002.

To address this unsafe condition, ACLP has released a Brake Control System (BCS) software update for model BD-500-1A11 aeroplanes. This AD mandates the installation of BCS software update, Part Number (P/N) MAB4B-9558-1207, for applicable aeroplanes.

Corrective Actions:

- A. Transfer and load the BCS software P/N MAB4B-9558-1207 in accordance with the procedure in section 3 of the Accomplishment Instructions of ACLP Service Bulletin (SB) BD500-324013, Issue 002, dated 05 November 2025 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. The transfer and loading of the BCS software P/N MAB4B-9558-1207 in accordance with the procedure in section 3 of the Accomplishment Instructions of ACLP Service Bulletin BD500-324013, Issue 001, dated 06 October 2025, prior to the effective date of this AD, also meets the requirements of Paragraph A of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 16 December 2025

Contact:

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