



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-2026-24

Effective Date:

18 June 2026

ATA:

26

Type Certificate:

A-236

Subject:

Fire Protection – Main Wheel Well (MWW) Bin Sensing Element – Incompatible Connector Nut

Applicability:

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

Model BD-500-1A10, serial numbers 50001 through 50080,

Model BD-500-1A11, serial numbers 55001 through 55315.

Compliance:

Within 9350 hours air time or 56 months, whichever occurs first, from the effective date of this AD, unless already accomplished.

Background:

Corrosion was found on the connector nuts of the MWW bin sensing elements. Excessive corrosion on the connector nuts over time could adversely affect electrical and structural integrity of the MWW overheat detection system. If uncorrected, it can lead to failure of the fire detection system and in combination with a fire event could potentially lead to loss of structural integrity of the aeroplane.

ACLP has released a Service Bulletin (SB) BD500-538016 which provides instructions to replace the incompatible connector nuts with new connector nuts.

To address this unsafe condition, this AD mandates the replacement of the affected connector nuts on both Left-Hand Side (LHS) and Right-Hand Side (RHS) MWW bin sensing elements.

Corrective Actions:

Replace the connector nuts of the MWW bin sensing elements on both LHS and RHS in accordance with the procedure in Section 3 of Part A or Section 3 of Part B, as applicable, of the Accomplishment Instructions of the ACLP SB BD500-538016 Issue 001, dated 23 March 2026, 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 4 June 2026

Contact:

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