



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-2023-67

Effective Date:

18 October 2023

ATA:

92

Type Certificate:

A-236

Subject:

Electrical Cabin Systems – Lug – Improper Terminal Lug Selection

Applicability:

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

Model BD-500-1A10, serial numbers 50010 through 50018 and 50020 through 50066.

Model BD-500-1A11, serial numbers 55003 through 55016 and 55018 through 55178.

Compliance:

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

Background:

It was reported that at lavatory and galley locations within the aeroplane, incorrect terminal lugs have been installed which are not compatible with the associated wire gauge. The terminal lugs may become loose causing a loss of Electromagnetic Interference (EMI) protection which could result in false alarms of the lavatory smoke detectors, false alarms of low crew oxygen pressure, loss of automatic control of automatic cabin temperature control and loss of lavatory flush. This condition could result in an increase in crew workload, including diversions, descent to below 10 000 feet or to the lowest safety altitude.

This AD requires removing and replacing existing lug terminals at various lavatory and galley locations.

Corrective Actions:

Modify the lavatory and galley terminal lugs in accordance with the Accomplishment Instructions of Airbus Canada Limited Partnership Service Bulletin (SB) BD500-254014, Issue 001, dated 11 July 2023, 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 October 2023

Contact:

Christopher Banken, 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.