



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-2023-08

Effective Date:

27 February 2023

ATA:

25

Type Certificate:

A-236

Subject:

Equipment/Furnishings – Connector Not To Specification – Emergency Power Supply Unit (EPSU)

Applicability:

Airbus Canada Limited Partnership (formerly C Series Aircraft Limited Partnership (CSALP), Bombardier Inc.) model BD-500-1A11 aeroplanes, serial numbers 55071 through 55074.

Compliance:

Within 12 months from the effective date of this AD, unless already accomplished.

Background:

A manufacturing issue with an electrical connector thread may prevent the self-locking of the connector. The connector may become loose over time, preventing the charging of EPSUs 3 and 4 and leading to the loss of emergency lights.

Airbus Canada has issued Service Bulletin (SB) BD500-335002 to correct the issue. It was initially decided to accomplish a fleet monitoring campaign to accomplish the SB in service, with no issuance of an AD. Following the end of the campaign, it was determined that certain operators had not accomplished SB BD500-335002.

This AD requires the removal of the affected connectors, installing new connectors, and testing of the EPSUs.

Corrective Actions:

Remove affected connectors, replace with new connectors and test in accordance with the Accomplishment Instructions of Airbus Canada SB BD500-335002, Issue 001, dated 24 February 2021, 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 13 February 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.