



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-2023-27

Effective Date:

18 May 2023

ATA:

92

Type Certificate:

A-236

Subject:

Electrical System Installation – Rear Cabin – Low Clearance Condition

Applicability:

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

BD-500-1A10, serial numbers 50010 through 50018 and 50020 through 50056,

BD-500-1A11, serial numbers 55003 through 55016 and 55018 through 55093.

Compliance:

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

Background:

During production, a possibility of chafing between a power harness and the left side window shade at frame (FR) 65 was detected. Damage to the power harness can result in an emergency equipment failure, including the partial loss of the public address system and the inability to deploy half the passenger oxygen masks when required.

This AD mandates rerouting the power harness, which requires the modification of an insulation blanket and the installation of a standoff and a clamp on the left side stringer 11 between FR 65 and FR 67 to prevent damage to the harness.

Corrective Actions:

Reroute the power harness in accordance with Accomplishment Instructions of Airbus Canada Service Bulletin BD500-352004, Issue 001, dated 7 March 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 May 2023

Contact:

Mathieu Robert, 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.