



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-2023-52

Effective Date:

26 July 2023

ATA:

35

Type Certificate:

A-236

Subject:

Oxygen – Portable Oxygen Bottles – Oxygen Masks Not Connected to Oxygen Bottles After Servicing

Applicability:

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

Model BD-500-1A10, serial numbers 50041, and 50044 through 50051.

Model BD-500-1A11, serial numbers 55009, 55016, 55041, 55048, 55049, 55055, and 55081.

Compliance:

Within 6 months from the effective date of this AD, unless already accomplished.

Background:

During production flight tests, several oxygen masks were found disconnected from their accompanying portable oxygen bottles. An investigation determined that servicing instructions did not include reconnecting oxygen masks. If an oxygen mask is not connected to the accompanying portable oxygen bottle, oxygen will not be provided to the cabin crew and/or passengers during a sudden decompression above 10 000 feet or during a first aid situation.

Airbus Canada Limited Partnership has released a Service Bulletin (SB) to visually inspect portable oxygen bottles and to connect the mask to the accompanying portable oxygen bottles if not connected.

Originally, the SB was implemented as a managed fleet campaign without the issuance of an AD. Following the end of the campaign, it was determined that a number of aeroplanes had not completed the Accomplishment Instructions specified in the SB. This AD requires the SB to be performed on affected aeroplanes.

Corrective Actions:

Inspect portable oxygen bottles and connect the mask to the accompanying portable oxygen bottles if not connected, in accordance with the Accomplishment Instructions of Airbus Canada SB BD500-353001, Issue 001, dated 19 April 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 12 July 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.