



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-2020-19

Effective Date:

9 June 2020

ATA:

35

Type Certificate:

A-236

Subject:

Oxygen – Crew – Inspection and Removal of a Protective End Cap Obstructing an Extraction Duct

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 50039,
Model BD-500-1A11, serial numbers 55003 through 55016, and 55018 through 55054.

Compliance:

Before accumulating more than 1650 hours air time from the effective date of this AD, or no later than 8 months from the effective date of this AD, whichever occurs first.

Background:

During installation on the final assembly line, a Foreign Object Damage (FOD) protection cap was not removed from an air extraction duct located under the flight deck floor. Located under the flight deck floor are crew oxygen lines, electrical harnesses and electrical equipment that operate at a high temperature. The extraction duct provides ventilation to adjacent electrical equipment and prevents a build-up of oxygen should an oxygen leak occur. The protective cap must be removed to prevent a high concentration of oxygen which is a fire risk. This AD mandates the removal of the FOD protection cap.

Corrective Actions:

Visually inspect the extraction duct and if installed remove the protection cap in accordance with the Accomplishment Instructions of Airbus Canada Service Bulletin BD500-351004, Issue 001, dated 8 April 2020, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 26 May 2020

Contact:

Christopher Banken, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.