



# 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-2020-48

**Effective Date:**

3 December 2020

**ATA:**

21

**Type Certificate:**

A-236

**Subject:**

Environmental Control – Replacement of Incorrect Low-Pressure Distribution Supply Duct

**Applicability:**

Airbus Canada Limited Partnership (formerly C Series Aircraft Limited Partnership, Bombardier Inc.) model BD-500-1A10 aeroplanes, serial numbers 50041 and 50042.

**Compliance:**

Within 200 hours air time from the effective date of this AD, unless already accomplished.

**Background:**

It is possible that an incorrect low-pressure distribution supply duct is installed in the forward cargo compartment. This incorrect duct can decrease the pressure above the passenger cabin floor. In the case of an onboard fire or smoke event under the cabin floor, there is a potential risk of smoke penetration above the floor in the passenger cabin. Airbus Canada Limited Partnership has released a service bulletin (SB) to inspect the part number of the installed low-pressure distribution supply duct and, if a duct with an incorrect part number is found installed, to replace this duct with a duct of the correct part number. This AD requires the actions specified in the SB to be performed to mitigate the risks affiliated with an incorrect low-pressure distribution supply duct.

**Corrective Actions:**

Inspect the part number of the low-pressure distribution supply duct and, if required, replace this duct with a duct of the correct part number, in accordance with Airbus Canada Limited Partnership SB BD500-212003 Issue 001, dated 28 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 19 November 2020

**Contact:**

Hilary Ross, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail [AD-CN@tc.gc.ca](mailto:AD-CN@tc.gc.ca) or any Transport Canada Centre.