



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-2021-01

Effective Date:

22 January 2021

ATA:

26

Type Certificate:

A-236

Subject:

Fire Protection – Powerplant Fire Extinguishing (FIREX) Interconnection Hose Not Properly Installed

Applicability:

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

Model BD-500-1A10, serial numbers 50010 through 50018 and 50020 through 50052,

Model BD-500-1A11, serial numbers 55003 through 55016, 55018 through 55068 and 55070 through 55081.

Compliance:

Within 500 hours air time from the effective date of this AD, unless already accomplished.

Background:

There have been several in-service reports of loose powerplant FIREX interconnection hoses, and in one instance a hose was found disconnected. Investigation by the manufacturer has determined that if the instructions for connecting the FIREX hose are not followed properly, it can result in the noted discrepancy.

Should a fire occur within a powerplant assembly with a FIREX hose that is partially or completely disconnected, the fire extinguishing agent may not be effectively applied, which could lead to an unsafe condition.

Airbus Canada Limited Partnership (ACLP) has released a service bulletin (SB) to replace the existing FIREX hose on each powerplant, with a newly designed FIREX hose with provisions for the installation of safety cables at each end, in order to prevent the hose from becoming loose or disconnected. This AD mandates the installation of this newly designed FIREX hose.

Corrective Actions:

Replace each FIREX hose assembly part number (P/N) 999D0007-503, with a FIREX hose assembly P/N 999D0007-505 with provisions for the installation of two safety cables (one at each end) as secondary retention, in accordance with the Accomplishment Instructions in Part C and D, as applicable, of ACLP SB BD500-262003, Issue 002, dated 7 January 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 8 January 2021

Contact:

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