



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-2023-64

Effective Date:

2 October 2023

ATA:

28

Type Certificate:

A-236

Subject:

Fuel Distribution – Twisted Motive Flow (MF) Flexible Fuel Line

Applicability:

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

Model BD-500-1A10, serial numbers 50011 through 50015, 50017, 50018, and 50020 through 50045,

Model BD-500-1A11, serial numbers 55005 through 55007, 55009 through 55016, and 55018 through 55062.

Compliance:

Within 9500 hours air time from the effective date of this AD, unless already accomplished.

Background:

As a result of sampling Service Bulletin (SB) BD500-282016, it was determined that early configuration pylon to wing area left and right MF flexible fuel line assemblies may have been installed incorrectly, potentially resulting in a twist to the MF flexible fuel line. A twisted MF fuel line may contact and abrade the MF fuel line shroud, which may then abrade the fuel line, resulting in a fuel leak. Electrical harness connectors in the area are a potential ignition source and pose a risk of fire.

AD CF-2021-09 was previously issued to conduct an inspection and, if necessary, replacement of later configuration left and right MF flexible fuel line assemblies.

This AD is applicable to model BD-500-1A10 and BD-500-1A11 aeroplanes with early configuration MF flexible fuel lines that have not already been inspected under sampling SB BD500-282016. This AD requires an inspection of the left and right MF flexible fuel line assemblies and requires corrective actions for twisted or damaged fuel lines or damaged shrouds.

Corrective Actions:

Inspect and, if necessary, replace the left and right MF fuel line assemblies, in accordance with Part A and Part B, respectively, of the Accomplishment Instructions of Airbus Canada SB BD500-282019 Issue 001, dated 25 July 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 18 September 2023

Contact:

Barry Devereux, 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.