



# AIRWORTHINESS DIRECTIVE

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*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 (ACLPL) (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:**

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