



# 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-2021-09

**Effective Date:**

25 March 2021

**ATA:**

28

**Type Certificate:**

A-236

**Subject:**

Fuel Distribution – Twisted Motive Flow 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 50046 through 50050,

Model BD-500-1A11, serial numbers 55063 through 55068, 55071 through 55074, 55076 through 55079, 55081 through 55083, 55086 through 55088, and 55090 through 55093.

**Compliance:**

Within 4 months from the effective date of this AD, unless already accomplished.

**Background:**

A new configuration of the pylon to wing area left and right Motive Flow (MF) flexible fuel line assembly was introduced without revision/modification to the installation procedure, potentially resulting in a twist to the MF flexible fuel line. The twisted MF fuel line may 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.

This AD requires an inspection of the right and left MF flexible fuel line assemblies and 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 the Part A and Part B respectively of the Accomplishment Instructions of Airbus Canada Service Bulletin (SB) BD500-282011, Issue 001, dated 1 February 2021, 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 11 March 2021

**Contact:**

Brian Daly, 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.