



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-2021-09

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 or any Transport Canada Centre.

SUPERSEDED