



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-2025-47

Effective Date:

25 September 2025

ATA:

28

Type Certificate:

A-236

Subject:

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

Replacement:

Supersedes AD CF-2021-09, issued 11 March 2021.

Applicability:

Airbus Canada Limited Partnership (ACLP) (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, 55090 through 55093, 55239, 55241, 55257 and 55271.

Compliance:

As indicated below, unless already accomplished.

Background:

A new configuration of the pylon to wing area left and right 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.

AD CF-2021-09 required an inspection of the right and left MF flexible fuel line assemblies and corrective actions for twisted or damaged fuel lines or damaged shrouds. Since then, a new installation procedure has been implemented by ACLP in production and it was discovered that it was not correctly implemented on four additional aeroplanes.

This AD retains the requirements of AD CF-2021-09, which is superseded, and expands the applicability to add four additional aeroplanes.

Corrective Actions:

For the purpose of this AD, the following definitions apply:

Group 1 aeroplanes are model BD-500-1A11 having serial numbers, 55239, 55241, 55257 and 55271.

Group 2 aeroplanes are 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.

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 ACLP Service Bulletin (SB) BD500-282011, Issue 002, dated 28 March 2025, within the following compliance time:

1. For Group 1 aeroplanes: within 4 months from the effective date of this AD.
2. For Group 2 aeroplanes: within 4 months from the effective date of AD CF-2021-09 (25 March 2021).

Inspection and replacement of the left and right MF fuel line assemblies in accordance with ACLP SB BD500-282011, Issue 001, dated 1 February 2021, prior to the effective date of this AD, also meet the requirements of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jean Grenier
Acting Chief, Continuing Airworthiness
Issued on 11 September 2025

Contact:

Stefan Szkwarek, Continuing Airworthiness, Ottawa, telephone 888-663-3639 or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.