



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-2020-37

Effective Date:

23 October 2020

ATA:

28

Type Certificate:

A-177

Subject:

Fuel – Refuel Defuel Tube – Mislocated Bracket Assembly

Applicability:

Bombardier Inc. model BD-700-1A10 aeroplanes, serial numbers 9657 through 9844.

Compliance:

Within 30 months from the effective date of this AD, unless already accomplished.

Background:

During installation, a fuel pipe bracket assembly on the intermediate rib in the centre fuel tank was mislocated resulting in an offset between the fitting assembly and the refuel defuel tube assembly. The offset could apply a preload on the fuel pipes reducing their ability to absorb shock or vibration induced loads as well as making the tube and clamp more prone to stress corrosion cracking. This condition, if not corrected, could lead to failure of the coupling and/or the bracket and p-clamp assembly resulting in fuel leakage and loss of electrical bonding between fuel pipes. Lightning induced sparking could induce fuel ignition.

This AD mandates the inspection and correction of the fuel pipe and fuel pipe bracket installation to address the unsafe condition.

Corrective Actions:

For the purpose of this AD “the SB” refers to Bombardier Service Bulletin (SB) 700-28-6006, Basic Issue dated 1 June 2020 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Inspect the fuel pipe and fuel pipe bracket assembly and correct their installation in accordance with Sections 2.B and 2.C of the Accomplishment Instructions of the SB.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 9 October 2020

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.