



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-2022-17

Effective Date:

27 April 2022

ATA:

53

Type Certificate:

A-177

Subject:

Fuselage – Aft Fuselage Structure – Fasteners Missing

Applicability:

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70020 through 70039, 70041, 70046 and 70047.

Compliance:

Within 32 months from the effective date of this AD, unless already accomplished.

Background:

It has been disclosed that three fasteners, attaching the fuselage skin to stringer 19 between fuselage station (FS) FS945.75 and FS961.45, may be missing. Under compressive loads, missing fasteners may subject the skin to inter-rivet buckling, creating a hazard of permanent deformation and/or cracking of the skin. The affected area of the fuselage is a build-up of skin, stringers, and frames, and is identified as a principal structural element for which missing fasteners could significantly reduce safety margins.

This AD requires the inspection for missing fasteners and damage. This AD also requires repair of damage if found, and if fasteners are missing, installation of fasteners.

Corrective Actions:

Inspect for missing fasteners and damage, repair damage found, and install fasteners if required, in accordance with the Accomplishment Instructions of Bombardier Service Bulletin 700-53-7547, Basic Issue, dated 21 July 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 13 April 2022

Contact:

Christopher Banken, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.