



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-2021-41

Effective Date:

8 December 2021

ATA:

52

Type Certificate:

A-177

Subject:

Doors – Passenger Door – Rapid Opening

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9002 through 9998, and 60001 through 60045.

Compliance:

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

Background:

There have been several in-service occurrences where the passenger door has failed to dampen during opening, causing the door to open more rapidly than normal. This results in significant damage to the door and presents a safety risk to anyone standing in the path of the door at opening.

An investigation has found that a contributing factor to the passenger door rapid opening was erroneous Aircraft Maintenance Manual (AMM) procedures. The AMM tasks related to passenger door maintenance have since been corrected and improved. To prevent passenger door rapid opening and injury to personnel, this AD requires the use of the revised AMM tasks when performing passenger door maintenance.

Operators do not need to perform any of the revised AMM tasks immediately because of this AD. The intent of this AD is to ensure that any maintenance done on the passenger door in the future will respect the revised AMM tasks.

Corrective Actions:

When performing the maintenance tasks on the passenger door identified in Table 1 below, for the applicable aeroplane, AMM Task Issue Dates of 19 May 2021 or later must be used.

Table 1: AMM Tasks

Task Number	Task Title
52-11-00-280-801	Rigging Check of the Passenger Door
52-11-00-400-801	Installation of the Passenger Door
52-11-00-710-801	Operational Test of the Passenger Door
52-11-00-820-801	Rigging of the Passenger Door
52-11-25-000-801	Removal of the Passenger Door Actuator
52-11-25-400-801	Installation of the Passenger Door Actuator
52-11-25-820-801	Rigging of the Passenger Door Actuator
52-11-33-000-801	Removal of the Passenger Door Chain
52-11-33-400-801	Installation of the Passenger Door Chain
52-11-41-000-801	Removal of the Passenger Door Tensator–Springs

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 24 November 2021

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.