



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-2021-04

Effective Date:

1 March 2021

ATA:

71

Type Certificate:

A-177

Subject:

Powerplant – Engine Mount – Bushing Missing

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9002 through 9879, 9998, 60001 through 60005, 60007, 60009, 60015, 60016 and 60024.

Compliance:

Within 15 months or 750 hours air time, whichever occurs first, from the effective date of this AD, unless already accomplished.

Background:

There have been reports that the sliding bushings in the forward engine mount system were found missing. In the correct installation of the engine mounts, the sliding bushings are installed with pins on the forward mount beam, aft mount beam, and thrust strut to carry the engine load to the airframe structure.

Missing sliding bushings on the engine mount could lead to a redistribution of load/stress on the mount components and may decrease the component fatigue life. The failure of mount structural components could result in the loss of engine attachment to the airframe.

This AD mandates an inspection of the forward and aft engine mount systems to verify the proper installation of the bushings, and rectification as required.

Corrective Actions:

- A. Inspect the front and aft engine mounts to verify the proper installation of sliding bushings in accordance with the Accomplishment Instructions of the applicable Bombardier Inc. service bulletins (SBs), listed in Table 1 below, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Table 1: SB References

Aeroplane Model	Bombardier Inc. SB	Date of Issuance
BD-700-1A10	700-71-005, Basic Issue	14 December 2020
BD-700-1A10	700-71-6005, Basic Issue	14 December 2020
BD-700-1A10	700-71-6501, Basic Issue	14 December 2020
BD-700-1A11	700-1A11-71-005, Basic Issue	14 December 2020
BD-700-1A11	700-71-5005, Basic Issue	14 December 2020
BD-700-1A11	700-71-5501, Basic Issue	14 December 2020

- B. If the inspection results of the front or aft engine mounts do not meet the acceptable limits or requirements as stated in the applicable above-mentioned SBs, contact Bombardier Inc. for an approved disposition. The approved disposition must make reference to this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 15 February 2021

Contact:

Zhiwei Wang, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.