



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-2025-39

Effective Date:

21 August 2025

ATA:

57

Type Certificate:

A-177

Subject:

Wings – Oversized Holes in Rib 6

Applicability:

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70042 through 70074, 70079 and 70080.

Compliance:

Within 40 months from the effective date of this AD or within 1400 flight cycles from 26 October 2022, whichever occurs first, unless already accomplished.

Background:

There have been reports of fuel leakage near rib 6 during the production pressure testing. The investigation found five oversized holes upon the removal of the doubler on rib 6 close to stringer 8L. The oversized holes were found in the outboard shear-tie between stringers 8L and 9L attaching rib 6 to the lower skin of the wing.

A fatigue analysis of oversized holes in the inboard and outboard shear-ties between stringers 8L and 9L attaching rib 6 to the skin of the wing indicated the potential for crack formation. This could result in failure of shear-ties before normal inspection. These shear-ties are redundant and would result in the loss of the redundant structure.

To address this unsafe condition, this AD mandates the inspection and rework of the fasteners and fastener holes at Rib 6.

Corrective Actions:

Inspect and if required rework the fasteners and fastener holes at Rib 6 in accordance with Section 2.B of the Accomplishment Instructions of Bombardier Service Bulletin (SB) 700-57-7525 Revision 01, dated 13 January 2025 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Accomplishment of the inspection and if required the rework of the fasteners and fastener holes at Rib 6 in accordance with Section 2.B of the Accomplishment Instructions of Bombardier SB 700-57-7525 Basic Issue, dated 26 October 2022, prior to the effective date of this AD, also meets the intent of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 7 August 2025

Contact:

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