



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-2025-57

Effective Date:

26 November 2025

ATA:

55

Type Certificate:

A-177

Subject:

Stabilizers – Vertical Stabilizer Leading Edge Missing Clad Material

Applicability:

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70153 and 70160 through 70189.

Compliance:

As indicated below, unless already accomplished.

Background:

It was reported to Bombardier Inc. that vertical stabilizers manufactured from clad aluminum have been supplied with missing clad material on the full length of the apex of the vertical stabilizer leading edge nose skin.

Environmental exposure of an unclad vertical stabilizer leading edge will result in progressively worsening corrosion of the bare metal which may lead to the loss of the vertical stabilizer's capability to withstand a bird strike. In the event of a bird strike, this condition may result in damage to hydraulic lines or electrical wiring routed within the vertical stabilizer assembly, leading to the loss of related flight control systems.

To address this unsafe condition, this AD mandates initial and repeat inspection of the vertical stabilizer leading edge and applications of protective coating until the vertical stabilizer leading edge is replaced.

Corrective Actions:

For the purpose of this AD, the following definition applies:

The applicable SB: Bombardier Inc. Service Bulletin (SB) 700-55-7501 Revision 01, dated 22 September 2025, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Part I – Initial and Repetitive Inspection and Protective Coating Application

- A. Within 6 months from the effective date of this AD or 12 months from entry into service of the aeroplane, whichever occurs later, and thereafter at intervals not to exceed 12 months or 500 hours air time, whichever occurs first, perform a general visual inspection of the vertical stabilizer leading edge to detect obvious signs of corrosion, and as applicable, before further flight, remove any corrosion found, perform eddy current testing, apply Xzilon 3 protective coating, or contact Bombardier for an approved disposition, in accordance with Part A of the Accomplishment Instructions of the applicable SB.
- B. If an approved disposition is required, perform the disposition instructions within the compliance time specified by those instructions, or other methods approved by the Chief, Continuing Airworthiness, Transport Canada. The disposition must specifically refer to this AD.
- C. Incorporation of Bombardier Inc. SB 700-55-7501, Basic Issue, dated 30 September 2024, prior to the effective date of this AD, also meets the requirements of Paragraphs A and B of Part I of this AD.

Part II – Optional Terminating Action

Replacement of the vertical stabilizer leading edge in accordance with Part B of the Accomplishment Instructions of the applicable SB constitutes a terminating action to the requirements of Part I of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 12 November 2025

Contact:

William Humphries, Continuing Airworthiness, Ottawa, telephone 888-663-3639, or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.