



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-2022-04

Effective Date:

28 February 2022

ATA:

53

Type Certificate:

A-236

Subject:

Fuselage – Painted Radome Diverter Strips

Applicability:

Airbus Canada Limited Partnership (formerly C Series Aircraft Limited Partnership (CSALP), Bombardier Inc.) model BD-500-1A11 aeroplanes, serial numbers 55070, 55075, 55080, 55084, 55085, 55096 and 55099.

Compliance:

Within 8 months from the effective date of this AD, unless already accomplished.

Background:

It has been reported that the radome lightning diverter strips on certain aircraft have been painted in production. Paint on the lightning diverter strips can compromise the radome lightning protection. This reduction in the effectiveness of the diverter strips can lead to the puncture of the nose radome by lightning and potential arc attachment to antennas, structures, and other equipment in the area of the radome. In particular, damage to the localizer or glideslope antennas could result in loss of instrument landing system localizer inputs or deviation information.

This AD requires the inspection of the diverter strips on the radome and the replacement of the radome if the diverter strips are found to be painted.

Corrective Actions:

Inspect the radome diverter strips for paint. If the diverter strips are unpainted, no further action is required. If the diverter strips are found to be painted:

- A. Remove the radome in accordance with Aircraft Maintenance Publication (AMP) Data Module (DM) BD500-A-J53-81-80-01AAA-520A-A Issue 004, dated 23 July 2018, Nose radome – Remove procedure.
- B. Install a replacement radome without the diverter strips painted in accordance with AMP DM BD500-A-J53-81-80-01AAA-720A-A Issue 009, dated 4 January 2022, Nose radome – Install procedure.

Later revisions of the above-mentioned AMP DMs are acceptable for compliance with the requirements of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 14 February 2022

Contact:

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