



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-2025-40

Effective Date:

3 September 2025

ATA:

24

Type Certificate:

A-177

Subject:

Electrical Power – Protective Film Cover on Secondary Power Distribution Assemblies (SPDA) not Removed

Applicability:

Bombardier Inc. model BD-700-2A12 aeroplanes, serial numbers 70055 through 70129, 70133 and 70135.

Compliance:

Within 24 months from the effective date of this AD, unless already accomplished.

Background:

A manufacturing quality escape notice has been received, reporting that the protective film cover (red protection film) on No. 1 and No. 2 SPDA might not have been removed. If uncorrected, the blockage of the holes in the mesh caused by the potentially non-removed protective film cover may impede proper airflow, adversely affecting cooling performance. This condition could lead to overheating, operation outside of the normal unit conditions, and eventual SPDA failure. Consequently, any system or a combination of systems powered by these units may be lost, potentially affecting the safe operation of the aeroplane.

Bombardier has released a Service Bulletin (SB) which provides instructions for inspecting No. 1 and No. 2 SPDA for the presence of the protective film cover and, if required, its removal.

It was initially decided to accomplish the SB in service using a monitored fleet campaign without the issuance of an AD. Since then, it was determined that it is not possible to ensure incorporation of the corrective action on all affected aeroplanes.

For the reason described above and to address this unsafe condition, this AD requires the SB to be performed on affected aeroplanes.

Corrective Actions:

- A. Inspect No. 1 and No. 2 SPDA for the presence of the protective film cover and, if required, remove the protective film in accordance with Part A and Part B of the Accomplishment Instructions of Bombardier SB 700-24-7508, Revision 01, dated 29 February 2024, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- B. This paragraph gives credit for aeroplanes on which the Basic Issue of Bombardier SB 700-24-7508, dated 8 December 2023, has been accomplished, prior to the effective date of this AD, to satisfy the requirement of Paragraph A of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Liviu Badita
Acting Chief, Continuing Airworthiness
Issued on 20 August 2025

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