



# 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-2024-27

**Effective Date:**

7 August 2024

**ATA:**

27

**Type Certificate:**

A-177

**Subject:**

Flight Controls – Incorrect Airplane Flight Manual (AFM) Approach Speed Adder and Landing Distance Factors for SLAT-FLAP FAIL Caution Crew Alerting System (CAS) Message and Jammed or Inoperative Slat/Flap Control Lever (SFCL)

**Replacement:**

Supersedes AD CF-2024-06, issued 20 February 2024.

**Applicability:**

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes serial numbers 9001 through 60086, 60088 through 60091, 60098, 60100, 60105, 60107, and 60111.

**Compliance:**

Within 30 days from the effective date of this AD, unless already accomplished.

**Background:**

Incorrect approach speed adders and landing distance factors were discovered in the AFM tables for the SLAT-FLAP FAIL (Caution) CAS message and the jammed or inoperative SFCL non-normal procedures. The incorrect speed adders and landing distance factors present a potentially unsafe condition due to the shortfall between the actual performance and the approved performance.

AD CF-2024-06 mandated the incorporation of a revision to the AFM to correct the affected speed adder and landing distance factor tables. Since AD CF-2024-06 was issued, it was determined that its applicability was incomplete.

This AD, CF-2024-27, revises the applicability and otherwise maintains the requirements of AD CF-2024-06.

**Corrective Actions:**

- A. Amend the applicable Transport Canada approved AFM by incorporating all chapters and supplements as follows, in accordance with the applicable AFM publication number indicated in table 1 below or later revisions approved by Transport Canada:

All models

Chapter 5 – Non-Normal Procedures

- Non-Normal Procedures – Flight Controls, 3. Slat and Flap Control Systems, A. Jammed or Inoperative Slat/Flap Control Lever Procedure
- Non-Normal Procedures – Flight Controls, 3. Slat and Flap Control Systems, E. Slat-Flap Fail (Caution)

BD-700-1A10 – Global Express, Global Express XRS, Global 6000

BD-700-1A11 – Global 5000, Global 5000 ft. GVFD

Supplement 20 – Operations at Airport Elevations above 10 000 Feet

- Non-Normal Procedures, B. Landing Distance Factors, (4) Flight Controls, (a) Jammed or Inoperative Slat/Flap Control Lever
- Non-Normal Procedures, B. Landing Distance Factors, (4) Flight Controls, (c) Slat-Flap Fail

B. Advise all flight crews of the changes introduced by the approved Transport Canada AFM procedures listed above and thereafter operate the aeroplane accordingly.

**Table 1: AFM References**

| <b>Aeroplane Model</b> | <b>Marketing Designation</b> | <b>AFM Publication Number and Revision, dated 25 July 2023</b> |
|------------------------|------------------------------|----------------------------------------------------------------|
| BD-700- 1A10           | Global Express               | CSP 700-1, Revision 117                                        |
| BD-700- 1A10           | Global Express XRS           | CSP 700-1A, Revision 117                                       |
| BD-700- 1A10           | Global 6000                  | CSP 700-1V, Revision 47                                        |
| BD-700- 1A10           | Global 6500                  | CSP 700-6500-1, Revision 19                                    |
| BD-700- 1A11           | Global 5000                  | CSP 700-5000-1, Revision 78                                    |
| BD-700- 1A11           | Global 5000 ft. GVFD         | CSP 700-5000-1V, Revision 47                                   |
| BD-700- 1A11           | Global 5500                  | CSP 700-5500-1, Revision 19                                    |

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

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