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-2024-06

Effective Date:

5 March 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 CAS Message and Jammed or Inoperative Slat/Flap Control Lever (SFCL)

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes serial numbers 9001 through 60081.

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.

This AD mandates the incorporation of a revision to the AFM to correct the affected speed adder and landing distance factor tables.

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

Aeroplane Model	Marketing Designation	AFM Publication Number and Revision, dated 25 July 2023
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

Jenny Young
Chief, Continuing Airworthiness
Issued on 20 February 2024

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