



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-2026-15

Effective Date:

8 April 2026

ATA:

34

Type Certificate:

A-177

Subject:

Navigation – Head-Up Display Application (HDA) Software Issue in Avionic Software Version 5.8

Applicability:

Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, all serial numbers equipped with avionics software version 5.8, Integrated Modular Avionic Applications (IMAA) Part Number (P/N) 810-0311-1B0016.

Compliance:

Within 60 months from the effective date of this AD, unless already accomplished.

Background:

An issue has been reported with the HDA software in avionics software version 5.8 which can result in the HDA being unable to read errors in the Graphical Engine Chip's (GE5) local and frame buffer memory during power-up. This can inhibit the HDA's ability to blank the head-up display in the presence of faults within the GE5 memory. If left uncorrected, this issue could potentially result in display of misleading primary flight information such as altitude, flight path vector on approach, air speed on take-off, radio altitude, lateral and vertical guidance. The display of information on other systems such as enhanced vision system or synthetic vision system, and primary flight display on the head-down display are unaffected by this issue.

Bombardier has issued Service Bulletins (SB) to correct the issue by software update.

To address this unsafe condition, this AD mandates the update of the avionics software.

Corrective Actions:

Install avionics software version 5.9, IMAA P/N 810-0311-1B0020 in accordance with the Accomplishment Instructions of the applicable Bombardier SB listed in Table 1 below.

Table 1 – List of Applicable Bombardier SBs

Aeroplane Model (Marketing Designation)	Applicable SB
BD-700-1A11 (Global 5000 GVFD)	SB 700-34-5041 Basic issue, dated December 15, 2025, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada (TC).
BD-700-1A11 (Global 5500)	SB 700-34-5526 Basic issue, dated December 15, 2025, or later revisions approved by the Chief, Continuing Airworthiness, TC.
BD-700-1A10 (Global 6000)	SB 700-34-6042 Basic issue, dated December 15, 2025, or later revisions approved by the Chief, Continuing Airworthiness, TC.
BD-700-1A10 (Global 6500)	SB 700-34-6525 Basic issue, dated December 15, 2025, or later revisions approved by the Chief, Continuing Airworthiness, TC.

A later version of avionics software 5.9 approved after the effective date of this AD by TC and installed in accordance with aeroplane modification instructions approved by TC also meets the intent of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jean Grenier

Acting Chief, Continuing Airworthiness
Issued on 25 March 2026

Contact:

Alireza Gharagozloo, Continuing Airworthiness, Ottawa, telephone 1-888-663-3639, or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.