



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-2024-17

Effective Date:

6 June 2024

ATA:

05

Type Certificate:

A-234

Subject:

Time Limits/Maintenance Checks (TLMC) – Airworthiness Limitations (AWL)

Applicability:

Bombardier Inc. model BD-100-1A10 aeroplanes, all serial numbers.

Compliance:

As indicated below, unless already accomplished.

Background:

The AWL for the Challenger 300 and Challenger 350 aeroplanes are defined and published in the Bombardier TLMC publications, approved by Transport Canada Civil Aviation (TCCA). The instructions contained in Part 2, AWL of the TLMC publication have been identified as mandatory actions for continued airworthiness. Failure to comply with these instructions could result in an unsafe condition.

Bombardier has introduced changes to Part 2, AWL of Challenger 300 and Challenger 350 TLMC publications wherein new tasks have been added and a number of existing tasks have been revised to become more restrictive.

This AD requires completion of the new or more restrictive limitations within their thresholds and repeat intervals or within the discard time as applicable.

Corrective Actions:

As of the effective date of this AD, ensure that the new or more restrictive limitations contained in Part 2 AWL of the Bombardier TLMC publications identified in Table 1 below are completed within the thresholds and repeat intervals or discard time identified within the tasks.

Note 1: The new or more restrictive limitations may be incorporated within the operator's approved maintenance schedule provided they are identified, for the purpose of traceability, with this AD CF-2024-17. This action ensures the tasks are performed as required by the applicable TLMC. Consequently, after incorporation of the new or more restrictive limitations in the operator's approved maintenance schedule, it is not necessary to record the demonstration of AD compliance after accomplishing each individual task/action on a continued basis.

Tolerances or deviations to the tasks identified with * (one star) in TLMC Part 2 AWL are prohibited without TCCA approval.

Tolerances or deviations to the tasks identified with ** (two stars) in TLMC Part 2 AWL are allowed and can be adjusted in accordance with the operator's approved escalation practices or an approved reliability program. The task cannot be changed or deleted without prior approval from the local airworthiness authority's aircraft certification office.

Certification Maintenance Requirements (CMR) allowable extensions identified in the Challenger 300 and Challenger 350 TLMC Part 2 AWL (section 05-10-40) for * (one star) and ** (two stars) tasks are allowed.

Note 2: For the purpose of this AD, “the new and more restrictive limitations” include tasks and limitations that are new and all tasks and limitations for which a threshold or repeat interval was reduced, or inspection method was changed, or discard time was reduced and, which were added or revised in the TLMC revisions listed in Table 1.

Table 1: Aeroplane Model BD-100-1A10 TLMC Manual Revision

Aeroplane model (Marketing Designation)	Publication	Aeroplane Serial Number	Revision	Date
BD-100-1A10 (Challenger 300)	CH 300 TLMC	20003 through 20457	Revision 24	9 Aug 2023
BD-100-1A10 (Challenger 350)	CH 350 TLMC	20501 through 21399	Revision 14	9 Aug 2023

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 23 May 2024

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