



# 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-2023-29

**Effective Date:**

19 May 2023

**ATA:**

54

**Type Certificate:**

A-234

**Subject:**

Nacelles/Pylons – Pylon Aft Engine Mount Attachment Bolts – Discarding and Replacement of Bolts not Performed

**Applicability:**

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

**Compliance:**

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

**Background:**

A Time Limits/Maintenance Check (TLMC) Airworthiness Limitation (AWL) Task 54-51-00-111\* was not performed on some Challenger 300 in-service aeroplanes due to a misleading part number (P/N) referenced in the TLMC manual. The task requires the discard and replacement of the aft engine mount attachment bolts, P/N MS21250-07, while the P/N shown in the TLMC manual is P/N MS21250-7 in lieu of P/N MS21250-07.

The failure of the aft engine mount attachment bolts could lead to the detachment of the engine from the aeroplane, and if not corrected, could contribute to a catastrophic failure. Bombardier revised the TLMC AWL task and the relevant sections in the Aircraft Maintenance Manual (AMM) and the Aircraft Illustrated Parts Catalog (AIPC) with the correct P/N to ensure timely discard and replacement of the aft engine mount attachment bolts.

This AD requires the incorporation of the revised TLMC AWL tasks.

**Corrective Actions:**

Perform Task Number 54-51-00-111\* at the threshold and repeat interval specified in the applicable TLMC manual identified in Table 1 below.

Compliance with superseding TLMC tasks, or later revisions of the applicable TLMC manual approved by Transport Canada, also meets the intent of this AD.

**Table 1 – Aeroplane TLMC Manual Revision**

<b>Aeroplane Model</b> (Marketing Designation)	<b>Manual</b>	<b>Description</b>	<b>Chapter 5 Task Number</b>
BD-100-1A10 (Challenger 300)	CH 300 TLMC Revision 23 (Issued 14 June 2022)	Time Limits/Maintenance Check	54-51-00-111 *
BD-100-1A10 (Challenger 350)	CH 350 TLMC Revision 13 (Issued 14 June 2022)	Time Limits/Maintenance Check	54-51-00-111 *

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Jenny Young  
Chief, Continuing Airworthiness  
Issued on 5 May 2023

**Contact:**

Danilo Verrelli, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail [TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca](mailto:TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca) or any Transport Canada Centre.