



Airworthiness Directive

AD No.: 2022-0100

Issued: 02 June 2022

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301 or Annex Vb Part ML.A.301, as applicable, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303 or Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

AIRBUS S.A.S.

Type/Model designation(s):

A380 aeroplanes

Effective Date: 16 June 2022

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA AD 2019-0222 dated 06 September 2019.

ATA 53 – Fuselage – Belly Fairing Torsion Box – Modification

Manufacturer(s):

Airbus

Applicability:

Airbus A380-841, A380-842 and A380-861 aeroplanes, manufacturer serial numbers (MSN) 0006 to 0017 inclusive, MSN 0019 to 0023 inclusive, MSN 0025 to 0031 inclusive, MSN 0033 to 0036 inclusive, MSN 0038 to 0052 inclusive, MSN 0054 to 0059 inclusive, MSN 0061 to 0090 inclusive, MSN 0092 to 0096 inclusive, MSN 0098 to 0101 inclusive, MSN 0103, MSN 0105 to 0117 inclusive, MSN 0119 to 0128 inclusive, MSN 0130 to 0184 inclusive, MSN 0186 to 0195 inclusive, MSN 0197 to 0211 inclusive, MSN 0213 to 0244 inclusive, MSN 0247 to 0249 inclusive, MSN 0251, and MSN 0253 to 0255 inclusive.

Definitions:

For the purpose of this AD, the following definitions apply:

The SB: Airbus Service Bulletin (SB) A380-53-8153 Revision 01.

Affected part: Belly fairing torsion boxes on left-hand (LH) and right-hand (RH) side of the fuselage.

Aeroplane date of manufacture: The date of transfer of title (ownership) which is referenced in Airbus documentation at the time of first delivery to an operator.



Reason:

Occurrences have been reported of finding some cracks in affected parts on in-service A380 aeroplanes.

This condition, if not corrected, could lead to in-flight loss of an affected part, possibly resulting in damage to, and consequent reduced control of, the aeroplane.

To address this potential unsafe condition, Airbus developed an improved design of the affected parts and issued SB A380-53-8153 (original issue) to provide modification instructions. Modification of an aeroplane allows that aeroplane to reach the design service goal. Consequently, EASA issued AD 2019-0222 to require modification of the affected parts on certain aeroplanes.

Since that AD was issued, it was determined that more MSN are affected by this potential unsafe condition and need to be modified, and Airbus issued the SB, as defined in this AD.

For the reasons described above, this AD retains the requirements of EASA AD 2019-0222, which is superseded, and expands the Applicability.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

Modification:

- (1) Within 147 months since Airbus date of manufacture, modify the affected parts in accordance with the instructions of the SB.

Credit:

- (2) Modification of all affected parts on an aeroplane, accomplished before the effective date of this AD in accordance with the instructions of Airbus SB A380-53-8153 at original issue, is an acceptable method to comply with the requirements of paragraph (1) of this AD for that aeroplane.

Ref. Publications:

Airbus SB A380-53-8153 original issue dated 24 April 2019, or Revision 01 dated 11 February 2022.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 04 May 2022 as PAD 22-051 for consultation until 01 June 2022. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.



4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS S.A.S. – 1IANA (Airworthiness Office), Telephone: +33 562 110 253, Fax: +33 562 110 307, E-mail: account.airworth-A380@airbus.com.

