

## Airworthiness Directive

**AD No.:** 2019-0222

**Issued:** 06 September 2019

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, 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 agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

**Design Approval Holder's Name:**

AIRBUS

**Type/Model designation(s):**

A380 aeroplanes

**Effective Date:** 20 September 2019

**TCDS Number(s):** EASA.A.110

**Foreign AD:** Not applicable

**Supersedure:** None

**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 0055 to 0059 inclusive, MSN 0061 to 0066 inclusive, MSN 0068 to 0071 inclusive, MSN 0074 to 0077 inclusive, and MSN 0080.

**Definitions:**

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

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

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

**Airbus date of manufacture:** The date of transfer of title (ownership) of the aeroplane upon delivery by Airbus to the first 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 the SB providing modification instructions. Modification of an aeroplane allows that aeroplane to reach the design service goal.

For the reasons described above, this AD requires modification of the affected parts on certain aeroplanes.

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

Required as indicated, unless accomplished previously:

#### **Modification:**

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

#### **Ref. Publications:**

Airbus SB A380-53-8153 original issue dated 24 April 2019.

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 25 July 2019 as PAD 19-143 for consultation until 22 August 2019. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto: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](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: Airbus – EIANA (Airworthiness Office), Telephone: +33 562 110 253, Fax: +33 562 110 307, E-mail: [account.airworth-A380@airbus.com](mailto:account.airworth-A380@airbus.com).

