



Airworthiness Directive

AD No.: 2019-0223

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 57 – Wings – Outer Rear Spar – Inspection

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 0027 inclusive, and MSN 0029, 0033, 0034, 0038 and 0040.

Definitions:

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

The SB: Airbus Service Bulletin (SB) A380-57-8263.

Affected areas: Wing outer rear spar (ORS) top and bottom flanges, between ribs 33 and 49, on both left-hand and right-hand sides.

Applicable wing box assembly date: The date of wing box assembly, as applicable to MSN, listed in Appendix 1 of this AD.

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 cracks in the affected areas of the wing ORS on in-service A380 aeroplanes.

This condition, if not detected and corrected, could reduce the structural integrity of the wing.

To address this potential unsafe condition, Airbus issued the SB to provide inspection instructions.

For the reason described above, this AD requires repetitive special detailed inspections (SDI), using ultrasonic testing methods, of the affected areas.

This AD is considered an interim action, limited to the 25 oldest wing sets. Based on inspection findings, further AD action may follow to address additional in-service aeroplanes.

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) Within 180 months since the applicable wing box assembly date, or within 147 months since Airbus date of manufacture, whichever occurs first after the effective date of this AD, and, thereafter, at intervals not to exceed 36 months (see Note 1 of this AD), accomplish an SDI of the affected areas in accordance with the instructions of the SB.

Note 1: The 36 months inspection interval is applicable for not-repaired areas. For areas repaired as required by paragraph (2) of this AD, the intervals for post-repair inspection as required by paragraph (1) of this AD are those specified in the Airbus approved repair instructions.

Corrective Action(s):

- (2) If, during any inspection as required by paragraph (1) of this AD, any crack is detected, before next flight, contact Airbus for approved repair instructions and accomplish those instructions accordingly (see Note 1 of this AD).

Terminating Action:

- (3) None.

Reporting:

- (4) Within 30 days after each inspection as required by paragraph (1) of this AD, report the inspection results (including no findings) to Airbus.

Ref. Publications:

Airbus SB A380-57-8263 original issue dated 23 August 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 05 July 2019 as PAD 19-116 for consultation until 30 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.
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.



Appendix 1 – Applicable Wing Box Assembly Date

Aeroplane MSN	Date
0006	08 November 2004
0007	01 August 2004
0008	14 January 2005
0009	06 December 2004
0010	02 March 2005
0011	06 April 2005
0012	10 May 2005
0013	13 July 2005
0014	10 June 2005
0015	16 August 2005
0016	13 September 2005
0017	21 November 2005
0019	09 February 2006
0020	15 December 2005
0021	18 January 2006
0022	27 October 2005
0023	05 May 2006
0025	20 September 2006
0026	05 October 2005
0027	28 March 2006
0029	30 May 2006
0033	07 March 2006
0034	06 July 2006
0038	04 June 2007
0040	27 October 2006

