



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 21-040

Issued: 10 March 2021

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

AIRBUS

Type/Model designation(s):

A380 aeroplanes

Effective Date: [TBD - standard: 14 days after AD issue date]

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA AD 2015-0236 dated 16 December 2015.

ATA 53 – Fuselage – Cabin / Cargo Compartment Parts – Inspection / Replacement [Wrong Material]

Manufacturer(s):

Airbus

Applicability:

Airbus A380-841, A380-842 and A380-861 aeroplanes, manufacturer serial numbers (MSN) 0030, 0035, 0036, 0039, 0042, 0044, 0046, 0048 to 0049 inclusive, 0052, 0054 to 0059 inclusive, 0061 to 0090 inclusive, 0092 to 0096 inclusive, 0098 to 0101 inclusive, 0103, 0105 to 0117 inclusive, 0119 to 0128 inclusive, 0130 to 0159 inclusive, 0161 to 0164 inclusive, and MSN 0166.

Definitions:

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

The applicable SB: Airbus Service Bulletin (SB) A380-53-8099 (at any issue) and SB A380-53-8100 Revision 03 for cargo compartment parts and cabin parts, respectively, as applicable to aeroplane MSN defined in Appendix 2 of the applicable SB.

Affected part: Cargo compartment and cabin parts, as identified by Part Number (P/N) in Appendix 1 of this AD.



Serviceable part: Cargo compartment and cabin parts, as identified by P/N in Appendix 1 of this AD.

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

Reason:

Quality control involving final assembly line review identified that improper aluminium alloy was used to manufacture several structural parts installed in cabin and cargo compartments.

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

To address this potential unsafe condition, Airbus issued SB A380-53-8099 and SB A380-53-8100 (both original issue), providing instructions to inspect the affected parts for identifying the material they are made of. Consequently, EASA issued AD 2015-0236 to require a one-time special detailed inspection (SDI) of each affected part and, depending on findings, replacement with a serviceable part.

Since that AD was issued, Airbus issued SB A380-53-8100 Revision 03, introducing additional work for certain cabin parts, to ensure they are correctly inspected.

For the reasons described above, this AD retains the requirements of EASA AD 2015-0236, which is superseded, and requires the additional work as specified in the revised Airbus SB.

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

Required as indicated, unless accomplished previously:

Inspection:

- (1) Before exceeding 6 years since the aeroplane date of manufacture, accomplish an SDI of the affected parts in accordance with the instructions of the applicable SB.

Replacement:

- (2) If, during the SDI as required by paragraph (1) of this AD, a part manufactured from improper material is detected, before exceeding 6 years since the aeroplane date of manufacture, replace that affected part with a serviceable part, as defined in this AD, in accordance with the instructions of the applicable SB.

Credit:

- (3) Inspection and, depending on findings, replacement of affected part(s) on an aeroplane, accomplished before the effective date of this AD in accordance with the instructions of the applicable SB (at any Revision) are acceptable to comply with the requirements of paragraphs (1) and (2) of this AD for that aeroplane, except as required by paragraph (4) of this AD.

Additional Work:

- (4) For aeroplanes that have been inspected, before the effective date of this AD in accordance with the instructions of Airbus SB A380-53-8100 at Revision 02 or any previous issue, before exceeding 12 years since the aeroplane date of manufacture, accomplish the 'additional work' as identified in, and in accordance with the instructions of, Airbus SB A380-53-8100 Revision 03.



Ref. Publications:

Airbus SB A380-53-8099 original issue dated 05 August 2015, or Revision 01 dated 17 October 2016.

Airbus SB A380-53-8100 original issue dated 25 September 2015, or Revision 01 dated 17 October 2016, or Revision 02 dated 19 May 2020, and Revision 03 dated 12 February 2021.

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

Remarks:

1. This Proposed AD will be closed for consultation on 07 April 2021.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, 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 PAD 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.
4. For any question concerning the technical content of the requirements in this PAD, please contact: AIRBUS SAS - IIANA (Airworthiness Office), Telephone : +33 562 110 253; Fax: +33 562 110 307, E-mail: account.airworth-A380@airbus.com.



Appendix 1 – Affected Cabin and Cargo Compartment Parts and Acceptable Replacement Parts

Affected Part P/N	Serviceable Part P/N	Affected Area
L5347059120200	L5347059120200	Cargo
L5347059120300	L5347059120300	
L5347074722400	L5347074722451	
L5347074722500	L5347074722551	
L5347074722600	L5347074722651	
L5347074722700	L5347074722751	
L5347074722800	L5347074722851	
L5347074722900	L5347074722951	
L5347074723000	L5347074723051	
L5327029020000	L5327029020000	
L5327051020000	L5327051020051	
L5327051020100	L5327051020151	
L5327057420000	L5327057420000	
L5327057420100	L5327057420100	
L5327057520000	L5327057520000	
L5327057520100	L5327057520100	
L5327338320300	L5327338320351	
L5327349620500	L5327349620500	
L5347038720800	L5347038720851	
L5347038720900	L5347038720951	
L5347058020000	L5347058020051	
L5347058020100	L5347058020151	
L5347059125400	L5347059125451	
L5347059125500	L5347059125551	
L5347518320200	L5347518320200	
L5347518320300	L5347518320300	
L5347531020200	L5347531020200	
L5347531020300	L5347531020300	
L5347532220000	L5347532220051	
L5347532220100	L5347532220151	

