



Airworthiness Directive

AD No.: 2015-0236

Issued: 16 December 2015

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 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 (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

AIRBUS

Type/Model designation(s):

A380 aeroplanes

Effective Date: 30 December 2015

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: None

**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.

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 Service Bulletin (SB) A380-53-8099 and SB A380-53-8100 to provide instructions to identify the affected parts.



For the reasons described above, this AD requires a one-time special detailed inspection (SDI) of certain cabin and cargo compartment parts to identify the material they are made of and, depending on findings, replacement with serviceable parts.

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

Required as indicated, unless accomplished previously:

- (1) Before exceeding 6 years since the aeroplane date of manufacture, accomplish an SDI of the cabin and cargo compartment parts identified as “Affected part numbers (P/N)” and listed in Appendix 1 of this AD in accordance with the instructions of Airbus SB A380-53-8099 and/or SB A380-53-8100, as applicable to aeroplane MSN defined in Appendix 2 of Airbus SB A380-53-8099 and SB A380-53-8100.

Note: For the purpose of this AD, the date of manufacture is the date of transfer of title, which is referenced in Airbus documentation at the time of first delivery to an operator.

- (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 each affected part with a serviceable part identified as an “Acceptable Replacement P/N” and listed in Appendix 1 of this AD, in accordance with the instructions of Airbus SB A380-53-8099 and/or SB A380-53-8100, as applicable.

Ref. Publications:

Airbus SB A380-53-8099 original issue, dated 05 August 2015.

Airbus SB A380-53-8100 original issue, dated 25 September 2015.

The use of later approved revisions of these documents 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 09 November 2015 as PAD 15-139 for consultation until 07 December 2015. The Comment Response Document can be found at <http://ad.easa.europa.eu>.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS - EIANA (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 P/N	Acceptable Replacement 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	Cabin
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	

