



Airworthiness Directive

AD No.: 2017-0140

Issued: 07 August 2017

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: 21 August 2017

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: None

ATA 53 – Fuselage – Cross Beam Fittings – Modification

Manufacturer(s):

Airbus

Applicability:

Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers, except aeroplanes that have embodied Airbus modification (mod) 73670 in production.

Reason:

During the A380 fatigue test campaign, after accumulating 22 000 simulated flight cycles (FC), cracks were detected at the main deck cross beam fittings above the forward (FWD) cargo compartment door at frame (FR) 25 to FR28.

This condition, if not corrected, could lead to a structural failure, adversely affecting the structural integrity of the aeroplane.

To address this potential unsafe condition, Airbus developed production mod 73670, installing additional couplings and modified L-brackets on affected main deck cross beams, which is also available for in service aeroplanes through Airbus Service Bulletin (SB) A380-53-8132.

For the reasons described above, this AD requires modification of cross beams at FR26 and FR27 above the FWD cargo compartment door.



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

Required as indicated, unless accomplished previously:

Modification:

Before exceeding 7 600 FC since aeroplane first flight, modify cross beams at FR26 and FR27 above the FWD cargo compartment door in accordance with the instructions of Airbus SB A380-53-8132.

Ref. Publications:

Airbus SB A380-53-8132 original issue, dated 03 April 2017.

The use of later approved revisions of this 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 06 July 2017 as PAD 17-091 for consultation until 08 August 2017. 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. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS - EIANA (Airworthiness Office), Telephone : +33 5 6211 0253; Fax: +33 5 6211 0307, E-mail: account.airworth-A380@airbus.com.

