



Airworthiness Directive

AD No.: 2016-0189

Issued: 26 September 2016

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: 10 October 2016

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: None

ATA 57 – Wings – Trailing Edge Flap Track #3 and #4 Support – Modification

Manufacturer(s):

Airbus

Applicability:

Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers, except those that have embodied Airbus modification (mod) 75712 and mod 75713 in production.

Reason:

Analysis determined that the life limit established for single load path fatigue and crack propagation scenario applicable to the support area of wing trailing edge flap track #3 and #4 does not cover the established life limit of the aeroplane. The compression pads, which are located at the aft attachment area of the wing trailing edge flap track #3 and #4 are life limited.

This condition, if not corrected, could lead to failure and consequent in-flight loss of wing trailing edge flap track #3 or #4 support, including the attached flap, possibly resulting in reduced control of, or damage to, the aeroplane and/or injury to persons on the ground.

To address this potential unsafe condition, Airbus developed modifications 75712 and 75713 available for in-service application through Service Bulletins (SB) A380-57-8122 (for wing trailing edge flap track #3, left hand (LH) and right hand (RH)) and SB A380-57-8123 (wing trailing edge flap



track #4, LH and RH), providing modification instructions to restore the fatigue life of the wing trailing edge flap track #3 and #4 support, respectively.

For the reason described above, this AD requires modification of the wing trailing edge flap track #3 and #4 support.

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

Required as indicated, unless accomplished previously:

- (1) Before exceeding 6 000 flight cycles (FC) since aeroplane first flight, modify each support of the wing trailing edge flap track #3 and #4, LH and RH, in accordance with the instructions of Revision 1 of Airbus SB A380-57-8122 and Revision 1 of Airbus SB A380-57-8123, as applicable to the affected flap track support.
- (2) Modification of an aeroplane, before the effective date of this AD, in accordance with the instructions of Airbus SB A380-57-8122 original issue and Airbus SB A380-57-8123 original issue is acceptable to comply with the requirements of paragraph (1) of this AD.

Ref. Publications:

Airbus SB A380-57-8122 original issue dated 26 February 2016, or Revision 1 dated 22 July 2016.

Airbus SB A380-57-8123 original issue dated 26 February 2016, or Revision 1 dated 22 July 2016.

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 08 August 2016 as PAD 16-119 for consultation until 05 September 2016. 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: +33 562 110 253; Fax: +33 562 110 307, E-mail: account.airworth-A380@airbus.com.

