



Airworthiness Directive

AD No.: 2017-0141

Issued: 08 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: 22 August 2017

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: None

ATA 53 – Fuselage – Landing Gear Bay / Frame 59 – Tension Bolts / Nuts – Inspection / Replacement

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) 75611 in production.

Reason:

During inspection on a final assembly line, a gap was identified under nut and/or washer, attaching the wing landing gear (WLG) door fittings, located in the landing gear bay, to fuselage frame (FR) 59. The subsequent review identified 8 fastener locations on the left hand (LH) and right hand (RH) fittings, possibly affected by this deficiency, which is suspected to be due to incorrect installation of tension and shear bolts. Either the height of a nut was incompatible with the length of threaded section of the bolt or the tightening torque was incorrectly applied.

This condition, if not corrected, could lead to in-flight detachment of a WLG door from the aeroplane, possibly resulting in damage to the aeroplane, and/or injury to persons on the ground.

To address this potential unsafe condition, Airbus developed production mod 75611 to introduce a specific washer and dedicated technical instructions for tension bolts installation, and issued Service



Bulletin (SB) A380-53-8150 to provide inspection and modification instructions for the affected (pre-mod 75611) aeroplanes.

For the reasons described above, this AD requires accomplishment of a one-time rototest inspection of the affected fastener holes of the WLG door fittings, LH and RH side, located in the landing gear bay at FR59 and, depending on findings, accomplishment of applicable corrective action(s).

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) Before exceeding 9 600 flight cycles since aeroplane first flight, accomplish a rototest inspection of fastener holes of the WLG doors fittings, LH and RH side, located in landing gear bay at FR59 in accordance with the instructions of Airbus SB A380-53-8150.

Corrective Action(s):

- (2) If, during the rototest inspection as required by paragraph (1) of this AD, any damage or crack is detected on the fastener holes, before next flight, contact Airbus for approved repair instructions and, within the compliance time specified in those instructions, accomplish the repair accordingly.
- (3) If, during the inspection as required by paragraph (1) of this AD, no damage and no crack is detected on the fastener holes, before next flight, replace each affected tension bolt with a serviceable part(s) in accordance with the instructions of Airbus SB A380-53-8150.

Ref. Publications:

Airbus SB A380-53-8150 original issue dated 24 May 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 17-092 for consultation until 03 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: +33 562 110 253; Fax: +33 562 110 307, E-mail: account.airworth-A380@airbus.com.

