



## Notification of a Proposal to issue an Airworthiness Directive

**PAD No.:** 17-092

**Issued:** 06 July 2017

Note: This Proposed Airworthiness Directive (PAD) 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.

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:** 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. This Proposed AD will be closed for consultation on 03 August 2017.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. For any question concerning the technical content of the requirements in this PAD, please contact: AIRBUS - EIANA (Airworthiness Office), Telephone: +33 562 110 253; Fax: +33 562 110 307, E-mail: [account.airworth-A380@airbus.com](mailto:account.airworth-A380@airbus.com).

