



Airworthiness Directive

AD No.: 2016-0178

Issued: 12 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):

A300-600 and A310 aeroplanes

Effective Date: 26 September 2016

TCDS Number(s): EASA.A.172

Foreign AD: Not applicable

Supersedure: None

ATA 53 – Fuselage – Forward Cargo Door Structure – Modification

Manufacturer(s):

Airbus (formerly Airbus Industrie)

Applicability:

Airbus A300B4-603, A300B4-605R, A300B4-622, A300B4-622R, A300C4-605R variant F, A300C4-620, A300F4-605R, A300F4-622R, A310-203, A310-221, A310-222, A310-304, A310-308, A310-322, A310-324 and A310-325 aeroplanes, all manufacturer serial numbers.

Reason:

In the frame of the Widespread Fatigue Damage (WFD) analysis, some structural areas were identified as requiring embodiment of a structural modification.

This condition, if not corrected, could reduce the fuselage structural integrity.

To address this unsafe condition, Airbus issued Service Bulletin (SB) A310-53-2145 and SB A300-53-6187 to provide instructions for structural reinforcement of the fuselage frames (FR) between FR20 Right Hand side (RH) and FR25 RH and the frame couplings between stringer (STGR) 20 RH and STGR23 RH, hereafter collectively referred to as 'the affected fuselage structure' in this AD.



For the reason described above, this AD requires accomplishment of a one-time special detailed inspection (SDI) of the fastener and tooling holes, and modification of the affected fuselage structure.

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

Required as indicated, unless accomplished previously:

- (1) Before exceeding 42 500 flight cycles since the aeroplane first flight, accomplish a SDI of the fastener and tooling holes in accordance with the instructions of Airbus SB A310-53-2145, or SB A300-53-6187, as applicable.
- (2) If, during the SDI as required by paragraph (1) of this AD, any crack is found, before next flight, contact Airbus for approved repair instructions and accomplish those instructions accordingly, and concurrently, unless those repair instructions specify otherwise, modify the affected structure in accordance with the instructions of Airbus SB A310-53-2145, or SB A300-53-6187, as applicable.
- (3) If, during the SDI as required by paragraph (1) of this AD, no crack is found, before next flight, modify the affected fuselage structure in accordance with the instructions of Airbus SB A310-53-2145, or SB A300-53-6187, as applicable.

Ref. Publications:

Airbus SB A310-53-2145 original issue dated 31 May 2016.

Airbus SB A300-53-6187 original issue dated 31 May 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 02 August 2016 as PAD 16-116 for consultation until 30 August 2016. 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 – EIAW (Airworthiness Office)
E-mail: continued.airworthiness-wb.external@airbus.com.

