



Airworthiness Directive

AD No.: 2017-0249

Issued: 14 December 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: 28 December 2017

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: None

ATA 32 – Landing Gear – Nose Landing Gear Components – Replacement [Life Limit]

Manufacturer(s):

Airbus

Applicability:

Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers.

Reason:

The A380 nose landing gear (NLG) manufacturer has determined that a certain batch of NLG main fittings and NLG sliding tubes was subject to improper preparation of 300M material used in the manufacturing process.

This condition, if not corrected, could lead to structural failure of an NLG component and consequent NLG collapse, possibly resulting in loss of control of the aeroplane during take-off or landing.

To address this potential unsafe condition, Airbus established reduced fatigue lives for the NLG main fittings and NLG sliding tubes affected by the degradation of 300M material quality.

For the reasons described above, this AD requires removal from service of the affected NLG main fittings and NLG sliding tubes before exceeding the reduced life limit.



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

Required as indicated, unless accomplished previously:

Note 1: NLG main fittings Part Number (P/N) 50-2004262-01, identified by serial number (s/n) in Table 2 of this AD, and NLG sliding tubes P/N 50-2004248-00, identified by s/n in Table 3 of this AD, are hereafter collectively referred to as 'affected part' in this AD. Any other eligible NLG main fitting or sliding tube is referred to as 'not affected part' in this AD.

Note 2: For the purpose of this AD, a serviceable part is an affected part that has not exceeded the reduced life limit defined in Table 1 of this AD, as applicable, or a not affected part that has not exceeded its applicable life limit (see Note 3 of this AD).

Note 3: The applicable life limits for not affected parts are defined in Airbus A380 Airworthiness Limitations Section (ALS) Part 1 as service time accumulated by a part since first installation on an aeroplane.

Part Replacement [Reduced Life Limit]:

- (1) Before exceeding the reduced life limit as identified in Table 1 of this AD, as applicable, accumulated by an affected part (see Tables 2 and 3 of this AD) since first installation on an aeroplane, replace the affected part (see Note 1 of this AD) with a serviceable part (see Note 2 of this AD) in accordance with approved maintenance instructions.

Table 1 – Reduced Life Limit

Affected Part (see Note 1 of this AD)	Reduced Life Limit
NLG main fitting P/N 50-2004262-01	9 000 flight cycles (FC)
NLG sliding tube P/N 50-2004248-00	14 000 FC

Part Installation:

- (2) From the effective date of this AD, it is allowed to install an affected part (see Note 1 of this AD) on an aeroplane, provided the part has not exceeded the reduced life limit as defined in Table 1 of this AD and that, following installation, the affected part is replaced as required by this AD.

Table 2 – Affected NLG main fittings P/N 50-2004262-01 identified by s/n

06MDM0048	07MDM00057	08MDM0069	MDMCCH0020M
06MDM00049	07MDM00058	MDMCCH0011M	MDMCCH0021M
07MDM00050	07MDM00059	MDMCCH0013A	MDMCCH0022A
07MDM00051	07MDM00060	MDMCCH0014A	MDMCCH0023A
07MDM00052	07MDM00061	MDMCCH0016A	MDMCCH0024A
07MDM00053	08MDM00063	MDMCCH0017M	MDMCCH0027A
07MDM00054	08MDM00064	MDMCCH0018	MDMCCH0028R
07MDM00056	08MDM0066PA	MDMCCH0019M	MDMCCH0029M



Table 3 – Affected NLG sliding tube P/N 50-2004248-00 identified by s/n

08B0057X0068	09B0064X0075
08B0058X0069	09B0056X0067

Note 4: Modification of an affected NLG main fitting P/N 50-2004262-01 in accordance with Safran Landing Systems Service Bulletin (SB) 740-32-033, as referenced in Airbus SB A380-32-8097, includes re-identification of that fitting to P/N 50-2004262-02, which is not affected by the requirements of this AD.

Ref. Publications:

A380 ALS Part 1 Revision 09 dated 25 September 2014, including Variation 9.4 dated 14 March 2017 and Variation 9.5 dated 06 April 2017.

Airbus SB A380-32-8097 original issue dated 09 May 2017.

The use of later approved variations or 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 18 October 2017 as PAD 17-147 for consultation until 25 November 2017. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD.
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.

