



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 17-073

Issued: 13 June 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 71 – Power Plant – Rear Engine Mount – Inspection

Manufacturer(s):

Airbus

Applicability:

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

Reason:

During accomplishment of a scheduled Airworthiness Limitation Item (ALI) task 712200-R9005-01A, using a high-frequency eddy current (HFEC) inspection method, a crack was detected on the surface of a Rolls-Royce Trent 900 rear engine mount (located on the lug area). Subsequent investigations concluded that the surface crack was likely caused by a manufacturing process deficiency which occurred during the forging process that could leave metallurgical discontinuities on the raw blank parts.

This condition, if not detected and corrected, could adversely affect the fatigue life and static load carrying capability of the rear engine mounts, possibly resulting in reduced structural integrity.

To address this unsafe condition, Airbus issued Service Bulletin (SB) A380-71-8013 to provide inspection instructions.



For the reasons described above, this AD requires a one-time inspection of rear engine mount of each engine and, depending on findings, accomplishment of corrective action(s).

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

Required as indicated, unless accomplished previously:

Note 1: Airbus SB A380-71-8013 is hereafter referred to as 'the SB' in this AD.

Inspection(s):

- (1) Within 1 000 flight cycle (FC) after the effective date of this AD, accomplish a detailed inspection (DET) or HFEC inspection of the rear engine mount of each engine in accordance with the instructions of the SB.
- (2) If, during the DET inspection as required by paragraph (1) of this AD, it is determined that the fail-safe load path is not activated, within 3 800 FC after the effective date of this AD, accomplish an HFEC inspection of the affected rear engine mounts in accordance with the instructions of the SB.

Corrective Action(s):

- (3) If, during the DET inspection as required by paragraph (1) of this AD, it is determined that the fail-safe load path is activated, before next flight, replace the affected rear engine mount assembly in accordance with the instructions of the SB.
- (4) If, during the HFEC inspection, as required by paragraph (1) or (2) of this AD, as applicable, any crack is found, before next flight, replace the affected rear engine mount assembly in accordance with the instructions of the SB.

Ref. Publications:

Airbus SB A380-71-8013 original issue, dated 08 June 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 11 July 2017.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: 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.

