



適航指令發布單

Airworthiness Directive Issuance Form

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| 民航局 AD 編號 AD number | CAA-2020-03-020 | 發布日期 Date issued | 2020/3/31 |
| 適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable) | Airbus A350-941 aeroplanes, manufacturer serial numbers 0035 to 0046 inclusive, 0048 to 0051 inclusive, 0053, 0054, 0056, 0057, 0058, 0061, 0062, 0066, 0067, 0068, 0073, 0074, 0075, 0077, 0079 and 0081. | | |
| 主旨摘要 | Fuselage - Rear Cone Diagonal Struts - Inspection | | |
| 民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other | 設計國民航主管機構 Original Authorities <input type="checkbox"/> FAA <input type="checkbox"/> Germany LBA <input checked="" type="checkbox"/> EASA <input type="checkbox"/> CAA-NL <input type="checkbox"/> Brazil <input type="checkbox"/> UK CAA <input type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> Japan CAB <input type="checkbox"/> DGAC <input type="checkbox"/> CAA of Israel <input type="checkbox"/> Other _____ | | |
| | 設計國 AD 編號 Original AD number | 2020-0071 | |
| | 1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No) | | |
| 備註 Note | ATA 53. Ref. Publications: Airbus SB A350-53-P054 original issue dated 15 October 2019. | | |
| 註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： adcaa@mail.caa.gov.tw | | | |



Airworthiness Directive

AD No.: 2020-0071

Issued: 25 March 2020

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

AIRBUS

Type/Model designation(s):

A350 aeroplanes

Effective Date: 08 April 2020

TCDS Number(s): EASA.A.151

Foreign AD: Not applicable

Supersedure: None

ATA 53 – Fuselage – Rear Cone Diagonal Struts – Inspection

Manufacturer(s):

Airbus

Applicability:

Airbus A350-941 aeroplanes, manufacturer serial numbers 0035 to 0046 inclusive, 0048 to 0051 inclusive, 0053, 0054, 0056, 0057, 0058, 0061, 0062, 0066, 0067, 0068, 0073, 0074, 0075, 0077, 0079 and 0081.

Definitions:

For the purpose of this AD, the following definitions apply:

The SB: Airbus Service Bulletin (SB) A350-53-P054.

Affected part: Fuselage rear cone diagonal struts, located at frame (FR) 102 in section 19.

Airbus date of manufacture: The date of transfer of title (ownership) of the aeroplane upon delivery by Airbus to the first operator.



Reason:

Occurrences have been reported of finding improperly locked diagonal struts, located in section 19 FR 102 of the fuselage, on the A350 production line. The teeth of the lock washers were incorrectly engaged, which could lead to a loss of tightening torque of an affected part.

This condition, if not detected and corrected, could affect the structural integrity of the surrounding parts, possibly resulting in failure at horizontal tail plane attachments or rear cone joints, possibly resulting in reduction or loss of control of the aeroplane.

To address this potential unsafe condition, Airbus issued the SB to provide instructions to inspect the installation of the affected parts.

For the reasons described above, this AD requires a one-time detailed inspection (DET) of each affected part 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 7 200 flight cycles since Airbus date of manufacture, accomplish a DET of the strut lock washers of each affected part in accordance with the instructions of the SB.

Corrective Action(s):

- (2) If, during the inspection as required by paragraph (1) of this AD, an affected part is found incorrectly installed, or the lock washer teeth are not correctly engaged, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of the SB.

Reporting:

- (3) Within 30 days after the inspection as required by paragraph (1) of this AD, report the results (including no findings) to Airbus. This can be accomplished in accordance with the instructions of the SB.

Ref. Publications:

Airbus SB A350-53-P054 original issue dated 15 October 2019.

The use of later approved revisions of the above-mentioned 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 14 February 2020 as PAD 20-036 for consultation until 13 March 2020. 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 Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).
5. For any question concerning the technical content of the requirements in this AD, please contact Airbus, E-mail: continued-airworthiness.a350@airbus.com.

