



適航指令發布單

Airworthiness Directive Issuance Form

民航局AD編號 AD number	CAA-2024-07-003	發布日期 Date issued	2024/07/10												
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Airbus A350-941 aeroplanes manufacturer serial numbers (MSN) 0001 through 0645 (inclusive), except aeroplanes having Airbus modification (mod) 113979 embodied in production; and A350-1041 aeroplanes, MSN 0059 through 0655 (inclusive), except aeroplanes having Airbus mod 114989 embodied in production.														
主旨摘要 Subject	Fuselage - Forward Cargo Door Piano Hinges - Inspection														
民航局 CAA <input type="radio"/> 本國產品 Native product <input type="radio"/> 其他個案 Other	設計國民航主管機構 Original Authority <table><tr><td><input type="radio"/> FAA</td><td><input type="radio"/> Germany LBA</td></tr><tr><td><input checked="" type="radio"/> EASA</td><td><input type="radio"/> CAA-NL</td></tr><tr><td><input type="radio"/> Brazil</td><td><input type="radio"/> UK CAA</td></tr><tr><td><input type="radio"/> Transport Canada Civil Aviation</td><td><input type="radio"/> Japan CAB</td></tr><tr><td><input type="radio"/> DGAC</td><td><input type="radio"/> CAA of Israel</td></tr><tr><td></td><td><input type="radio"/> Other_____</td></tr></table>			<input type="radio"/> FAA	<input type="radio"/> Germany LBA	<input checked="" type="radio"/> EASA	<input type="radio"/> CAA-NL	<input type="radio"/> Brazil	<input type="radio"/> UK CAA	<input type="radio"/> Transport Canada Civil Aviation	<input type="radio"/> Japan CAB	<input type="radio"/> DGAC	<input type="radio"/> CAA of Israel		<input type="radio"/> Other_____
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<input type="radio"/> DGAC	<input type="radio"/> CAA of Israel														
	<input type="radio"/> Other_____														
	設計國AD編號 Original AD number	2024-0129													
	1. 直接採用原AD之內容? (Is the original AD directly adopted?) <input checked="" type="radio"/> 是(Yes) <input type="radio"/> 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="radio"/> 需要(Yes) <input checked="" type="radio"/> 不需要(No)														
備註 Note	This AD supersedes EASA AD 2024-0098(CAA-2024-05-002) dated 02 May 2024.														

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)2349-6330 / 6332, Fax：(02)2545-8464, 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)2349-6330 / 6332, Fax：(02)2545-8464, adcaa@mail.caa.gov.tw



Airworthiness Directive

AD No.: 2024-0129

Issued: 05 July 2024

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, or Annex Vb Part ML.A.301, as applicable, 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 Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

AIRBUS S.A.S.

Type/Model designation(s):

A350 aeroplanes

Effective Date: 12 July 2024

TCDS Number(s): EASA.A.151

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA AD 2024-0098 dated 02 May 2024.

ATA 53 – Fuselage – Forward Cargo Door Piano Hinges – Inspection

Manufacturer(s):

Airbus

Applicability:

Airbus A350-941 aeroplanes manufacturer serial numbers (MSN) 0001 through 0645 (inclusive), except aeroplanes having Airbus modification (mod) 113979 embodied in production; and

A350-1041 aeroplanes, MSN 0059 through 0655 (inclusive), except aeroplanes having Airbus mod 114989 embodied in production.

Definitions:

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

The AOT: Airbus Alert Operators Transmission (AOT) A53P017-24.

Affected parts: Forward (FWD) cargo door piano hinges 2 and 3.

Aeroplane date of manufacture: The date of transfer of title (ownership) of the aeroplane upon delivery by Airbus to the first operator, which is referenced in Airbus documentation.



Reason:

An update of the stress analysis resulted in a new definition of interface load distribution between the FWD cargo door and the associated fuselage piano hinges. Further investigation revealed a risk of cracking and crack propagation on the affected parts, originating from opening-closing fatigue cycles of the FWD cargo door. Under this condition, door operation could cause damage to the FWD cargo door surrounding structure.

This condition, if not detected and corrected, could reduce the structural integrity of the aeroplane.

To address this potential unsafe condition, Airbus issued the AOT at original issue to provide inspection instructions for the affected parts. Consequently, EASA issued AD 2024-0098 to require a one-time detailed inspection (DET) of the affected parts, and, depending on findings, accomplishment of applicable corrective action(s).

Since that AD was issued, it was determined that additional A350-1041 aeroplanes may be affected by the same potential unsafe condition, and that the compliance time can be determined taking also into account the latest accomplishment of the Airbus Maintenance Review Board Report (MRBR) Task 523000-00001-02S. The AOT has been revised accordingly.

For the reasons described above, this AD retains the requirements of EASA AD 2024-0098, which is superseded, expands the Applicability to include additional MSNs and includes reference to the Airbus MRBR Task 523000-00001-02S in the compliance time.

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

Required as indicated by this AD, unless the actions required by this AD have been already accomplished:

Inspection(s):

- (1) Within the compliance time as defined in Table 1 of this AD, as applicable, accomplish a DET of each affected part in accordance with the instructions of the AOT.

Table 1 – Inspection of FWD Cargo Door Piano Hinges 2 and 3

Aeroplane Model	Airbus Modification Service Bulletin 53-P030 Embodiment	Compliance Time (whichever occurs later)		
		Flight Cycles (FC)		Calendar time
A350-941	NO	4 000 FC from aeroplane date of manufacture	3 400 FC from MRBR Task 523000-00001-02S latest accomplishment	Within 2 months after 16 May 2024 [the effective date of EASA AD 2024-0098]
	YES	5 000 FC from aeroplane date of manufacture		
A350-1041	not applicable	4 000 FC from aeroplane date of manufacture		



Corrective Action(s):

- (2) If, during the DET as required by paragraph (1) of this AD, any crack or damage is detected, before next flight, contact Airbus for approved instructions and, within the compliance time specified therein, accomplish those instructions accordingly.

Ref. Publications:

Airbus AOT A53P017-24 original issue dated 30 April 2024, or Revision 01 dated 26 June 2024.

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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication. All interested persons may send their comments, referencing the AD Number, to the E-mail address specified in below Remark 3, prior to 02 August 2024. Only if any comment is received during the consultation period, a Comment Response Document will be published in the EASA Safety Publications Tool, in a 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. 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](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS S.A.S. A350 XWB (1IAK), E-mail: continued-airworthiness.a350@airbus.com.

