



適航指令發布單

Airworthiness Directive Issuance Form

民航局AD編號 AD number	CAA-2024-12-005	發布日期 Date issued	2024/12/20
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Airbus A350-941 and A350-1041 aeroplanes, all manufacturer serial numbers.		
主旨摘要 Subject	Landing Gear - Nose Landing Gear Lower Torque Link - Replacement / Life Limitation		
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 <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_____		
	設計國AD編號 Original AD number	2024-0248	
	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	ATA 32. Ref. Publications: Airbus SB A350-32-P057 original issue dated 30 September 2024, or revision 01 dated 12 December 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 Aviation Administration on Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464, adcaa@mail.caa.gov.tw

Airworthiness Directive

AD No.: 2024-0248**Issued:** 18 December 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: 01 January 2025**TCDS Number(s):** EASA.A.151**Foreign AD:** Not applicable**Supersedure:** None

ATA 32 – Landing Gear – Nose Landing Gear Lower Torque Link – Replacement / Life Limitation

Manufacturer(s):

Airbus

Applicability:

Airbus A350-941 and A350-1041 aeroplanes, all manufacturer serial numbers.

Definitions:

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

The SB: Airbus Service Bulletin (SB) A350-32-P057.

Affected parts: Nose landing gear (NLG) Lower Torque Link, having Part Number (P/N) 5035-0401, and serial numbers (s/n) ZG23, ZG24, ZG25, ZG27, ZG28, ZG29, ZG30, ZG33, ZG34, ZG35, ZG36, ZG37, ZG38, ZG39, ZG41, ZG42, ZG43, ZG46, ZG47, ZG49, ZG51, ZG57, ZG58, ZG60, ZG63, ZG67, ZG68 or ZG73.

Serviceable parts: Any NLG Lower Torque Link eligible for installation in accordance with Airbus instructions, which is not an affected part; or an affected part that has not exceeded the life limit values as defined in Appendix B of the SB.

Groups: Group 1 aeroplanes are those that have an affected part installed.
Group 2 aeroplanes are those that do not have an affected part installed.

Reason:

It has been reported that the affected parts were manufactured without bright shot peening. The omission of bright shot peening may reduce the fatigue life of the component, depending on which weight variant and NLG standard the component is installed on.

This condition, if not corrected, could lead to failure of the NLG, possibly resulting in damage to the aeroplane and injury to occupants.

To address this potential unsafe condition, Airbus issued the SB to provide instructions for replacement of the affected parts at reduced life limit.

For the reason described above, this AD requires replacement of affected parts before exceeding the reduced life limit.

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

Required as indicated by this AD, unless the action(s) required by this AD have been already accomplished:

Part Replacement / Life Limit:

- (1) For Group 1 aeroplanes: Before an affected part exceeds the life limit as defined in Appendix B of the SB, replace that affected part with a serviceable part, as defined in this AD, in accordance with the instructions of the SB.

Parts Installation:

- (2) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, it is allowed to install an affected part on any aeroplane, provided the part is a serviceable part, as defined in this AD, and thereafter, it is replaced as required by paragraph (1) of this AD (see Note 1 of this AD).

Note 1: Following installation of an affected part on a Group 2 aeroplane, that aeroplane becomes effectively a Group 1 aeroplane.

Ref. Publications:

Airbus SB A350-32-P057 original issue dated 30 September 2024, or revision 01 dated 12 December 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. This AD was posted on 15 November 2024 as PAD 24-140 for consultation until 13 December 2024. 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. 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 A350 XWB (1IAK), E-mail: continued-airworthiness.a350@airbus.com.

