



適航指令發布單

Airworthiness Directive Issuance Form

民航局AD編號 AD number	CAA-2024-07-001	發布日期 Date issued	2024/07/02
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	ATR 72-101, ATR72-102, ATR 72-201, ATR 72-202, ATR 72-211, ATR 72-212 and ATR 72-212A aeroplanes, all manufacturer serial numbers.		
主旨摘要 Subject	Landing Gear - Main Landing Gear Hinge Pins - Replacement		
民航局 CAA <input type="radio"/> 本國產品 Native product <input type="radio"/> 其他個案 Other	<div>設計國民航主管機構 Original Authority</div> <div><div><input type="radio"/> FAA <input checked="" type="radio"/> EASA <input type="radio"/> Brazil <input type="radio"/> Transport Canada Civil Aviation <input type="radio"/> DGAC</div><div><input type="radio"/> Germany LBA <input type="radio"/> CAA-NL <input type="radio"/> UK CAA <input type="radio"/> Japan CAB <input type="radio"/> CAA of Israel <input type="radio"/> Other_____</div></div>		
	設計國AD編號 Original AD number	2024-0124	
	<div>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):</div> <div>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)</div>		
備註 Note	ATA 32. Ref. Publications: SLS SB 631-32-295 original issue dated 05 March 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.: 2024-0124

Issued: 01 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:

ATR-GIE AVIONS DE TRANSPORT REGIONAL

Type/Model designation(s):

ATR 72 aeroplanes

Effective Date: 15 July 2024

TCDS Number(s): EASA.A.084

Foreign AD: Not applicable

Supersedure: None

ATA 32 – Landing Gear – Main Landing Gear Hinge Pins – Replacement

Manufacturer(s):

ATR-GIE Avions de Transport Régional, formerly EADS ATR - Alenia, Aerospatiale Matra ATR - ALENIA, Aerospatiale - Alenia, Aerospatiale - Aeritalia

Applicability:

ATR 72-101, ATR72-102, ATR 72-201, ATR 72-202, ATR 72-211, ATR 72-212 and ATR 72-212A aeroplanes, all manufacturer serial numbers.

Definitions:

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

The SB: SAFRAN Landing Systems (SLS) Service Bulletin (SB) 631-32-295.

Affected part: Any main landing gear (MLG) hinge pin, having Part Number (P/N) D61000, and serial number (s/n) 14VD48457005, 14VD48457054, 14VD48457058, 14VD48457069, 14VD48457073 or 14VD48457090.

Serviceable part: Any MLG hinge pin, eligible for installation in accordance with applicable ATR instructions, that is not an affected part.



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:

Occurrences of ruptured MLG rear hinge pin, P/N D61000, have been reported. Investigation has been performed by SLS on all hinge pins batches. The investigation results revealed that a batch of 6 pins was subjected to a non-detected thermal abuse in production during grinding process.

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

To address this potential unsafe condition, SLS issued the SB, providing instructions to replace the affected parts.

For the reasons described above, this AD requires replacement of the affected parts with serviceable parts and prohibits (re)installation of affected part(s) on any aeroplane.

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:

Replacement:

- (1) For Group 1 aeroplanes: Within 6 months after the effective date of this AD, replace each affected part with a serviceable part in accordance with the instructions of the SB.

Alternative Method:

- (2) Replacement on an aeroplane of an MLG equipped with an affected part with an MLG having a serviceable part installed is an alternative acceptable method to comply with the requirement of paragraph (1) of this AD for that aeroplane.

Part(s) Installation:

- (3) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, do not install an affected part on any aeroplane or MLG assembly having an affected part installed.

Ref. Publications:

SLS SB 631-32-295 original issue dated 05 March 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 23 May 2024 as PAD 24-056 for consultation until 20 June 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: ATR - GIE Avions de Transport Régional, Continued Airworthiness Service, Telephone: +33 (0)5 62 21 62 21, Fax: +33 (0) 5 62 21 67 18; E-mail: continued.airworthiness@atr-aircraft.com.

