

Airworthiness Directive

AD No.: 2024-0216

Issued: 15 November 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):

A318, A319, A320 and A321 aeroplanes

Effective Date: 22 November 2024

TCDS Number(s): EASA.A.064

Foreign AD: Not applicable

Supersedure: None

ATA 32 – Landing Gear – Main Landing Gear Door Actuators – Inspections

Manufacturer(s):

Airbus, formerly Airbus Industrie.

Applicability:

Airbus A318-111, A318-112, A318-121, A318-122, A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A319-151N, A319-153N, A319-171N, A320-211, A320-212, A320-214, A320-215, A320-216, A320-231, A320-232, A320-233, A320-251N, A320-252N, A320-253N, A320-271N, A320-272N, A320-273N, A321-111, A321-112, A321-131, A321-211, A321-212, A321-213, A321-231, A321-232, A321-251N, A321-251NX, A321-252N, A321-252NX, A321-253N, A321-253NX, A321-253NY, A321-271N, A321-271NX, A321-272N and A321-272NX aeroplanes, all manufacturer serial numbers (MSN).

Definitions:

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

Affected part: Main landing gear (MLG) door actuator having Part Number (P/N) 114122015 and having a serial number (s/n) as listed in Appendix 1 of this AD, except those having a reference 'PINSP' on the amendment plate.

Affected MLG door: MLG door equipped with an affected part.

Serviceable part: MLG actuator, eligible for installation in accordance with Airbus instructions, which is not an affected part.

The AOT: Airbus Alert Operators Transmission (AOT) A32N033-24.

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.

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.

An aeroplane having an MSN greater than 11545 is considered a Group 2 aeroplane, provided that no affected part has been installed on that aeroplane since the aeroplane date of manufacture.

Reason:

Occurrences were reported of jamming of, or inability to open, the MLG door during maintenance operations. Investigations identified that certain MLG door actuators may not have been assembled correctly.

This condition, if not detected and corrected, could prevent the extension of the MLG, possibly resulting in damage to the aeroplane.

To address this potential unsafe condition, Airbus issued the AOT providing inspection and modification instructions.

For the reason described above, this AD requires repetitive inspection of the MLG doors, and, depending on findings, accomplishment of applicable corrective action(s), and eventually replacement of affected parts.

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:

Inspection(s):

- (1) For Group 1 aeroplanes: Within 15 days after the effective date of this AD, and, thereafter, at intervals not to exceed 8 days or 5 flight cycles, whichever occurs later, accomplish an inspection of each affected MLG door in accordance with the instructions of the AOT.

Corrective Action(s):

- (2) If, during any inspection as required by paragraph (1) of this AD, any discrepancy on an affected MLG door is detected, as defined in the AOT, before next flight, replace the affected part on that MLG door with a serviceable part in accordance with the instructions of the AOT.

Part Replacement:

- (3) For Group 1 aeroplanes: Unless already done as required by paragraph (2) of this AD, within 12 months after the effective date of this AD, replace each affected part with a serviceable part in accordance with the instructions of the AOT.



Terminating Action:

- (4) Replacement on an aeroplane of each affected part with a serviceable part, as required by paragraph (2) or (3) of this AD, constitutes terminating action for the repetitive inspections as required by paragraph (1) of this AD for that aeroplane.

Parts Installation:

- (5) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, do not install an affected part on any aeroplane (see Note 1 of this AD).

Note 1: Removal of an affected part from an aeroplane and subsequent reinstallation of that affected part at the same location of the same aeroplane, accomplished during a single maintenance visit, is not considered as 'installation' as specified in paragraph (5) of this AD.

Ref. Publications:

Airbus AOT A32N033-24 original issue dated 29 October 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 13 December 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 – Airworthiness Office – 1IASA; E-mail: account.airworth-eas@airbus.com.



Appendix 1 - List of suspected MLG s/n of door actuator P/N 114122015.

S/N	S/N	S/N	S/N	S/N	S/N	S/N
TA1800947	TA2007746	TA2008445	TA2008604	TA2010060	TA2010915	TA2012030
TA1904781	TA2007747	TA2008446	TA2008605	TA2010061	TA2010916	TA2012031
TA1904786	TA2007748	TA2008447	TA2008606	TA2010402	TA2010917	TA2012032
TA1909576	TA2007749	TA2008448	TA2008821	TA2010404	TA2010918	TA2012033
TA1910476	TA2007750	TA2008449	TA2009605	TA2010409	TA2011192	TA2012034
TA1910478	TA2007751	TA2008450	TA2009609	TA2010410	TA2011193	TA2012035
TA1910479	TA2007752	TA2008451	TA2009613	TA2010411	TA2011194	TA2012036
TA1911188	TA2007756	TA2008452	TA2009614	TA2010412	TA2011195	TA2012037
TA2007016	TA2007757	TA2008453	TA2009615	TA2010413	TA2011196	TA2012038
TA2007017	TA2007758	TA2008454	TA2009616	TA2010414	TA2011197	TA2012039
TA2007018	TA2007759	TA2008455	TA2009621	TA2010415	TA2011198	TA2012040
TA2007019	TA2007835	TA2008456	TA2009622	TA2010416	TA2011199	TA2012041
TA2007020	TA2007836	TA2008457	TA2009623	TA2010417	TA2011200	TA2012042
TA2007021	TA2007837	TA2008458	TA2009624	TA2010418	TA2011201	TA2012320
TA2007022	TA2007838	TA2008459	TA2009625	TA2010419	TA2011202	TA2012321
TA2007023	TA2007839	TA2008460	TA2009626	TA2010420	TA2011203	TA2012322
TA2007024	TA2007840	TA2008461	TA2009627	TA2010829	TA2011648	TA2012323
TA2007028	TA2007841	TA2008462	TA2009628	TA2010830	TA2011649	TA2012324
TA2007029	TA2007842	TA2008463	TA2010026	TA2010831	TA2011650	TA2012325
TA2007030	TA2007843	TA2008464	TA2010027	TA2010832	TA2011651	TA2012326
TA2007031	TA2007844	TA2008465	TA2010028	TA2010834	TA2011656	TA2012327
TA2007032	TA2007845	TA2008587	TA2010029	TA2010835	TA2011657	TA2012593
TA2007033	TA2007846	TA2008591	TA2010030	TA2010836	TA2011658	TA2012594
TA2007034	TA2007847	TA2008592	TA2010031	TA2010837	TA2011659	TA2012595
TA2007035	TA2007848	TA2008593	TA2010032	TA2010838	TA2012019	TA2012596
TA2007736	TA2007849	TA2008594	TA2010033	TA2010839	TA2012020	TA2113745
TA2007737	TA2007850	TA2008595	TA2010035	TA2010840	TA2012021	
TA2007738	TA2007851	TA2008596	TA2010036	TA2010841	TA2012022	
TA2007739	TA2007852	TA2008597	TA2010037	TA2010842	TA2012023	
TA2007740	TA2007853	TA2008598	TA2010050	TA2010843	TA2012024	
TA2007741	TA2007854	TA2008599	TA2010051	TA2010844	TA2012025	
TA2007742	TA2007855	TA2008600	TA2010052	TA2010911	TA2012026	
TA2007743	TA2008442	TA2008601	TA2010053	TA2010912	TA2012027	
TA2007744	TA2008443	TA2008602	TA2010058	TA2010913	TA2012028	
TA2007745	TA2008444	TA2008603	TA2010059	TA2010914	TA2012029	

