



Airworthiness Directive

AD No.: 2024-0203

Issued: 22 October 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: 05 November 2024

TCDS Number(s): EASA.A.064

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA AD 2020-0073 dated 26 March 2020.

ATA 27 – Flight Controls – Trimmable Horizontal Stabilizer Actuator – Replacement

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.

Definitions:

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

The AOT: Airbus Alert Operators Transmission (AOT) A27N013-20.

Affected part: Trimmable horizontal stabilizer actuators (THSA), having a serial number (s/n) as listed in Appendix 1 of this AD, except those that have been reworked and re-certified in accordance with the instructions of the AOT.



Serviceable part: Any THSA, eligible for installation in accordance with Airbus instructions, which 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.

An A321-253NY aeroplane is a Group 2 aeroplane, provided that no affected part has been installed on that aeroplane since the aeroplane date of manufacture.

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:

Deviations from the Component Maintenance Manual acceptance test procedure have been reported by a Maintenance Repair Organization for certain THSA. This affects in particular the verification validation process of proper installation of THSA ball screw in shop.

This condition, if not corrected, could compromise the failsafe THSA function, possibly resulting in loss of control of the aeroplane in case of single failure condition.

To address this potential unsafe condition, Airbus issued the AOT, providing the list of affected THSA and replacement instructions. Consequently, EASA issued AD 2020-0073 to require replacement of affected THSA with serviceable parts, and to prohibit (re)installation, unless those affected THSA were reworked and re-certified in accordance with the instructions of the AOT.

Since that AD was issued, a new aeroplane model (A321-253NY) has been certified, on which affected parts could be installed in service. On the issue date of this AD, no A321-253NY aeroplanes have been delivered yet to operators.

For the reason described above, this AD supersedes EASA AD 2020-0073, and extends the Applicability to the A321-253NY aeroplanes to prohibit installation of affected parts on those aeroplanes in service.

For aeroplanes previously affected by EASA AD 2020-0073, this AD retains the requirements of that AD, with no additional actions.

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 15 days after 02 April 2020 [the effective date of EASA AD 2020-0073], replace the affected part with a serviceable part in accordance with the instructions of the AOT.



Parts Installation:

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

Ref. Publications:

Airbus AOT A27N013-20 original issue dated 25 March 2020.

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 19 November 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 Affected Parts (see Note 1 of this AD)

P/N	s/n	P/N	s/n	P/N	s/n
47145-131	34	47145-137	1154	47145-137	1828
47145-133	267	47145-131	1192	47145-133	1889
47145-131	331	47145-133	1231	47145-147	1931
47145-133	343	47145-137	1292	47145-147	2072
47145-136	376	47145-133	1337	47145-133	2121
47145-133	450	47145-133	1356	47145-133	2174
47145-137	460	47145-133	1357	47145-133	2255
47145-137	473	47145-137	1413	47145-137	2279
47145-130	485	47145-137	1422	47145-133	2301
47145-137	493	47145-137	1440	47145-133	2302
47145-121	499	47145-137	1483	47145-147	2339
47145-131	506	47145-137	1495	47145-133	2343
47145-137	511	47145-137	1506	47145-137	2390
47145-137	524	47145-133	1509	47145-133	2395
47145-133	533	47145-133	1517	47145-133	2426
47145-133	544	47145-137	1525	47145-147	2454
47145-132	554	47145-133	1534	47145-147	2482
47145-133	556	47145-137	1541	47145-137	2508
47145-137	560	47145-137	1569	47145-137	2510
47145-133	639	47145-137	1574	47145-147	2555
47145-133	674	47145-137	1586	47145-147	2568
47145-131	714	47145-133	1591	47145-137	2579
47145-137	725	47145-137	1598	47145-137	2581
47145-131	726	47145-147	1599	47145-137	2754
47145-131	778	47145-133	1613	47145-137	2773
47145-137	797	47145-141	1622	47145-147	2815
47145-137	808	47145-137	1632	47145-133	2966
47145-131	823	47145-137	1639	47145-147	3085
47145-133	859	47145-137	1647	47145-147	3249
47145-137	867	47145-137	1653	47145-147	3581
47145-137	875	47145-137	1655	47145-147	3799
47145-137	913	47145-133	1658	47145-147	3931
47145-137	1003	47145-137	1678	47145-167	5506
47145-137	1011	47145-131	1747	47145-168	6141
47145-133	1040	47145-137	1771	47145-137	10030
47145-137	1137	47145-137	1781		

Note 1: Part Number (P/N) is provided for information only.

