



Airworthiness Directive

AD No.: 2023-0014

Issued: 18 January 2023

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: 01 February 2023

TCDS Number(s): EASA.A.064

Foreign AD: Not applicable

Supersedure: None

ATA 52 – Doors – On-board Entrance Stairs / Motoreductor Units – Replacement

Manufacturer(s):

Airbus, formerly Airbus Industrie

Applicability:

Airbus A318-112, A319-115, A319-132, A319-133, A319-151N, A319-153N, A319-171N, A320-211, A320-212, A320-214, A320-231, A320-232, A320-251N, A320-252N, A320-253N, A320-271N, A320-272N, A320-273N, A321-112 aeroplanes, all manufacturer serial numbers.

Definitions:

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

Groups:

Group 1 aeroplanes are those that are equipped with Airbus on-board entrance stairs. A Group 1 aeroplane is always equipped with an affected part.

Note: An aeroplane on which one of the following Airbus modifications (mod) has been embodied in production is a Group 1 aeroplane, provided the aeroplane remains in that configuration: mod 20062, 23288, 23398, 150150, 162481, 167541 or 168615, as applicable.

Group 2 aeroplanes are those that are not equipped with Airbus on-board entrance stairs.



Affected part: Motoreductor units, having Part Number (P/N) 4255417, or P/N 4394656, or P/N 4339747, installed on on-board entrance stairs.

Serviceable part: An affected part that has accumulated less than 39 400 flight cycles (FC) since first installation on the on-board entrance stairs of an aeroplane.

The SB: Airbus Service Bulletin (SB) A320-52-1202 or SB A320-52-1205, as applicable.

Reason:

Computations conducted on the A320 family program showed that the fatigue life limit of the motoreductor, installed on the Airbus on-board entrance stairs and acting as one of the two immobilisation systems, is not demonstrated for the complete aeroplane Design Service Goal (DSG). Therefore, a motoreductor failure could remain undetected during the period between the demonstrated life limit of the motoreductor and the aeroplane DSG (and subsequent Extended Service Goal).

This condition, if not corrected, could lead to an airstairs deployment in flight, possibly resulting in loss of control of the aeroplane.

To address this potential unsafe condition, Airbus issued the SB providing replacement instructions.

For the reasons described above, this AD requires replacement of the affected parts upon reaching their life limit.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) For Group 1 aeroplanes: Before an affected part accumulates 39 400 FC since first installation on the Airbus on-board entrance stairs of an aeroplane, or within 12 months after the effective date of this AD, whichever occurs later, replace that affected part with a serviceable part in accordance with the instructions of the SB.

Part Installation:

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

Ref. Publications:

Airbus SB A320-52-1202 original issue dated 13 May 2022.

Airbus SB A320-52-1205 original issue dated 13 May 2022.

The use of later approved revisions of the above-mentioned documents 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 22 September 2022 as PAD 22-128 for consultation until 20 October 2022. 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 – Airworthiness Office – 1IASA; E-mail: account.airworth-eas@airbus.com.

