

22Airworthiness Directive

AD No.: 2022-0218

Issued: 08 November 2022

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):

A380 aeroplanes

Effective Date: 15 November 2022

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: None

ATA 25 – Equipment / Furnishings – Fuselage / Belly Fairing Mounted Emergency Evacuation Escape Slides – Replacement

Manufacturer(s):

Airbus

Applicability:

Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers (MSN).

Definitions:

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

The AOT: Airbus Alert Operators Transmission (AOT) A25R025-22.

Affected part: Fuselage and belly fairing mounted slides, manufactured by Collins, having Part Number (P/N) 103004-xxx (door M3), P/N 103007-xxx (door U1) and P/N 103008-xxx (doors U2 and U3), where 'xxx' represents any numerical sequence.

Groups: Group 1 are affected parts installed on aeroplanes with MSN 33, 40, 43, 49, 52, 64, 67, 78, 81, 84, 87, 89, 93, 94, 95, 99, 100, 114, 115, 117, 121, 122, 124, 125, 131, 144, 148, 151, 152, 155, 161, 162, 163, 167, 173, 179, 183, 192, 194, 200 to 203 inclusive, 208, 209, 215, 226 to 231 inclusive, 241, 242 and 244. Group 2 are affected parts installed on all other MSN.

Serviceable part: An affected part that has never previously been installed since manufacturing (new) or since last overhaul, or a spare slide with less than 185 days of on-aeroplane parking and storage exposure (see Note 1 of this AD) since manufacturing (new) or last overhaul.

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:

Occurrences were reported where, during overhaul of Airbus A380 emergency slides after return to service following a parking and storage period, local seams opened during inflation. Although the investigation is on-going, it is suspected that the environmental conditions during parking and storage are the key contributing factors to the degradation of the slide seams. In particular, exposure to a combination of moisture (from condensation during previous flight operations) and heat (during parking and storage) causes a degradation of seams in the inflatable structure of a slide, increasing with the parking and storage time of the respective slide on an aeroplane. Door-mounted slides are not affected.

This condition, if not corrected, could lead to a loss of air holding capability of a slide which, in case of an emergency, would prevent timely evacuation from the aeroplane, possibly resulting in injury to occupants.

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

For the reason described above, this AD requires replacement of each affected part with a serviceable part, as defined in this AD. This AD also prohibits (re)installation of an affected part.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) For Group 1 slides: Within the compliance time specified in Table 1 of this AD, replace each affected part with a serviceable part in accordance with the instructions of the AOT.

Table 1 – Group 1 Slides Replacement (see Note 1 of this AD)

Storage Days	Compliance Time (after the effective date of this AD)			
	M3 position	U1 position	U2 position	U3 position
186 – 350	12 months	8 months	8 months	12 months
351 – 600	10 months	4 months	4 months	10 months
More than 600	8 months	3 months	3 months	8 months

Note 1: The 'storage days' identified in Tables 1 and 2 of this AD are those accumulated by a slide during parking and storage (of the aeroplane on which is it installed), calculated in accordance with the instructions of the AOT on or before the effective date of this AD. The applicability (Groups) and



corresponding compliances times in Tables 1 and 2 are based on Airbus cabin configuration/layout as it was on the aeroplane date of manufacture.

- (2) For Group 2 slides: Within the compliance time specified in Table 2 of this AD, replace each affected part with a serviceable part in accordance with the instructions of the AOT.

Table 2 – Group 2 Slides Replacement (see Note 1 of this AD)

Storage Days	Compliance Time (after the effective date of this AD)			
	M3 position	U1 position	U2 position	U3 position
186 – 350	12 months	12 months	8 months	12 months
351 – 600	10 months	10 months	4 months	10 months
More than 600	8 months	8 months	3 months	8 months

- (3) For any affected part which has accumulated 185 days parking / storage or less, as calculated in accordance with the instructions of the AOT and, on the effective date of this AD, remains installed on an aeroplane that is still parked / stored, before return to service of the 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 AOT.
- (4) For any aeroplane where the cabin configuration / layout was changed or modified since aeroplane date of manufacture, before next flight after the effective date of this AD, contact Airbus for approved instructions and, within the compliance time(s) specified in those instructions, replace each affected part with a serviceable part.

Part Installation:

- (5) From the effective date of this AD, do not install on any aeroplane an affected part, unless it is a serviceable part, as defined in this AD.

Ref. Publications:

Airbus AOT A25R025-22 original issue dated 07 November 2022.

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.
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 SAS – 11ANA (Airworthiness Office), Telephone: +33 562 110 253, Fax: +33 562 110 307, E-mail: account.airworth-A380@airbus.com.

