



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 22-169

Issued: 13 December 2022

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

AIRBUS S.A.S.

Type/Model designation(s):

A318, A319, A320 and A321 aeroplanes

Effective Date: [TBD - standard: 14 days after AD issue date]

TCDS Number(s): EASA.A.064

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA AD 2022-0026 dated 16 February 2022.

ATA 25 – Equipment / Furnishings – Galley / Container End Stop – 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, A321-252N, A321-253N, A321-271N and A321-272N aeroplanes, all manufacturer serial numbers (MSN), if equipped with an affected galley (as defined in this AD) or if equipped with a galley that has been identified as an affected galley (Part Number and/or serial number, as applicable) in the Aircraft Inspection Report (AIR).

Definitions:

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

The SB1: Airbus Service Bulletin (SB) A320-25-1BF6 revision (rev.) 01 and SAFRAN Cabin CZ s.r.o. (formerly Zodiac Galleys Europe) SB 213510-25-001 rev. D, as applicable.



The SB2: Airbus SB A320-25-1BHG, SB A320-25-1BK9 rev. 03 or SB A320-25-1BKK rev. 02, as applicable to aeroplane MSN.

Affected galley: Affected galleys 1 are those having a Part Number (P/N) and a serial number (s/n) listed as “pre-mod P/N” in Table 1 of Appendix 1 of this AD.

Affected galleys 2 are those having a P/N and an s/n listed as “pre-mod P/N” in Table 2 of Appendix 1 of this AD.

Affected galleys 3 are those having a P/N listed in Table 3 of Appendix 1 of this AD.

Affected galleys 4 are those having a P/N listed in Table 4 of Appendix 1 of this AD.

Affected galleys 5 are those having a P/N listed in Table 5 of Appendix 1 of this AD.

The term ‘galley’ is also used in this AD to identify certain stowage units listed in the tables of Appendix 1 of this AD.

Groups: Group 1 are aeroplanes having an affected galley 1 installed.

Group 2 are aeroplanes having an affected galley 2 installed.

Group 3 are aeroplanes having an affected galley 3 installed.

Group 4 are aeroplanes having an affected galley 4 installed.

Group 5 are aeroplanes having an affected galley 5 installed.

Reason:

At the occasion of a re-engineering of galley G5, a 9G forward full-scale qualification test was performed during which the door of the waste compartment opened before the required load was reached. Subsequent investigation determined that this event was caused by the galley global deflection.

This condition, if not corrected, could lead to failure of the galley door and release of waste bins during a rejected take-off or an emergency landing, possibly resulting in damage to the aeroplane and injury to occupants.

To address this potential unsafe condition, Airbus developed a modification (mod 159298) to modify the waste compartment door of galley G5 by installing a door catch bracket and a new striker. Zodiac Galleys Europe (formerly Driessen) published SB 213510-25-001 and Airbus published SB A320-25-1BF6 (both at original issue, later revised) to provide in-service installation instructions, and consequently, EASA issued AD 2018-0255 to require modification of the waste compartment door of galley G5.

After that AD was issued, several reports were received of finding container/galley end stop bumpers damaged in service. Deformed end stops could break or lose their function to maintain container/galley in their position on the aeroplane.

This condition, if not corrected, could lead to container detachment from the galley under certain forward loading conditions, possibly resulting in injury to aeroplane occupants.

To address this potential unsafe condition, Airbus issued SB A320-25-1BHG, SB A320-25-1BK9 (later revised) and SB A320-25-1BKK (later revised), providing instructions to modify and re-identify



affected galleys, and EASA issued AD 2019-0106 to require modification of the affected galleys by replacement of the affected bumpers with serviceable bumpers.

After those ADs were issued, it was determined that additional aeroplanes may be affected by the potential unsafe conditions previously described. Prompted by these findings, Airbus issued SB A320-25-1BK9 rev. 2 and SAFRAN Cabin CZ s.r.o. issued SB 213510-25-001 rev. D. It was also determined that certain stowage units are affected by the potential unsafe condition. Consequently, EASA issued AD 2022-0026, retaining the requirements of EASA AD 2018-0255 and AD 2019-0106, which were superseded, and expanding the Applicability.

Prompted by the latest SAFRAN SB publications and comments from operators, deeper review confirmed the need to re-adjust the current affected population to cover galleys modified by non-Airbus approved modifications and to re-adjust the associated compliance time for a certain population of MSN.

For the reasons described above, this AD retains the requirements of EASA AD 2022-0026, which is superseded, to further expand the Applicability and to extend the compliance time for Group 5 aeroplanes. This AD also introduces measures for galleys that were modified by non-Airbus approved modifications.

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

Required as indicated, unless accomplished previously:

Modification:

- (1) For Group 1 aeroplanes: within 12 months after 11 December 2018 [the effective date of EASA AD 2018-0255], modify the waste compartment door of each affected galley 1 by installing a door catch bracket and a new striker in accordance with the instructions of the SB1 (see Note 1 of this AD).
- (2) For Group 2 aeroplanes: within 12 months after 02 March 2022 [the effective date of EASA AD 2022-0026], modify the waste compartment door of each affected galley 2 by installing a door catch bracket and a new striker in accordance with the instructions of the SB1 (see Note 1 of this AD).

Note 1: After the modification as required by paragraph (1) or (2) of this AD, as applicable, a Group 1 or Group 2 aeroplane is effectively a Group 3 aeroplane. See paragraph (3) of this AD for applicable requirements.

- (3) For Group 3 and Group 4 aeroplanes: Within 48 months after 29 May 2019 [the effective date of EASA AD 2019-0106], modify and re-identify each affected galley on an aeroplane in accordance with the instructions of the SB2.
- (4) For Group 5 aeroplanes: Within 54 months after 29 May 2019 [the effective date of EASA AD 2019-0106], modify and re-identify each affected galley on an aeroplane in accordance with the instructions of the SB2.



Note 2: The SB2 has been updated (revision dated 02 November 2022) to include modification and re-identification instructions for affected galleys 5.

- (5) Within 54 months after 29 May 2019 [the effective date of EASA AD 2019-0106], for aeroplanes equipped with a galley having a P/N and/or an s/n, as applicable, which is different from the one identified in the AIR, and which has not been modified as required by paragraphs (1) to (4) of this AD, as applicable, contact the galley manufacturer for further instructions and accomplish those instructions accordingly.

Credit:

- (6) Modification of the waste compartment door of an affected galley, accomplished on an aeroplane before the effective date of this AD in accordance with the instructions of Airbus SB A320-25-1BF6 (any revision) and Zodiac Galleys Europe SB 213510-25-001 at rev. A, rev. B or rev. C, is an acceptable method to comply with the requirements of paragraph (1) or (2) of this AD, as applicable, for that aeroplane.
- (7) Modification of an affected galley on an aeroplane, accomplished before the effective date of this AD in accordance with the instructions of Airbus SB A320-25-1BK9 original issue, rev. 01 or rev. 02, or Airbus SB A320-25-1BKK original issue or rev. 01, is an acceptable alternative method to comply with the requirements of paragraph (3) of this AD for that aeroplane.
- (8) Modification of an affected galley on an aeroplane, accomplished before the effective date of this AD in accordance with the instructions of SAFRAN Cabin CZ s.r.o. SB 601800-25-015 rev. A is an acceptable method to comply with the requirements of paragraph (5) of this AD for that aeroplane.

Alternative Method(s):

- (9) Alternative methods of compliance (AMOC), approved by EASA for requirements contained in superseded EASA AD 2018-0255, EASA AD 2019-0106, or EASA AD 2022-0026, as applicable, remain valid to comply with the corresponding requirements of paragraph (1) to (5) of this AD, as applicable.
- (10) Modification of an affected galley on an aeroplane in accordance with the instructions of Airbus SB A320-25-1BCB is an acceptable alternative method to comply with the requirements of paragraph (3) of this AD for that aeroplane.

Ref. Publications:

Airbus SB A320-25-1BF6 original issue dated 30 May 2017, or rev. 01 dated 27 December 2017.

Airbus SB A320-25-1BHG original issue dated 03 July 2017.

Airbus SB A320-25-1BK9 original issue dated 06 June 2018, or rev. 01 dated 02 April 2019, or rev. 02 dated 28 May 2020 or rev. 03 dated 02 November 2022.

Airbus SB A320-25-1BKK original issue dated 06 June 2018, or rev. 01 dated 25 September 2020, or rev. 02 dated 02 November 2022.



Airbus SB A320-25-1BCB original issue dated 06 April 2016.

Zodiac Galleys Europe SB 213510-25-001 rev. A dated 04 August 2017, or rev. B dated 23 April 2018, or rev. C dated 11 June 2018, or SAFRAN Cabin CZ s.r.o. SB 213510-25-001 rev. D dated 15 August 2019.

SAFRAN Cabin CZ s.r.o. SB 601800-25-015 rev. A dated 22 June 2021.

The use of later approved revisions of the above-mentioned documents is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 10 January 2023.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, 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 PAD 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.
4. For any question concerning the technical content of the requirements in this PAD, please contact: AIRBUS – Airworthiness Office – 1IASA; E-Mail: account.airworth-eas@airbus.com.



Appendix 1

Table 1 – Affected Galleys 1

Pre-mod P/N	s/n (inclusive)	Post-mod P/N
601856-000501	001 to 012	601856-002301
601856-000701	001 to 014	601856-002401
601856-000801	001 to 015	601856-003801
601856-000901	001 to 014	601856-002501
601856-001001	001 to 029	601856-003901
601856-001101	001 to 024	601856-004001
601856-001201	001 to 019	601856-003501
601856-001501	001 to 007	601856-002601
601856-001601	001 to 013	601856-002701
601856-001701	001 to 002	601856-002801
601856-001801	001 to 006	601856-002901
601856-001901	001 to 004	601856-003001
601856-002001	001 to 003	601856-003301
601857-000101	001 to 007	601857-004201
601857-000501	001 to 009	601857-004301
601857-000701	001 to 002	601857-004401
601857-000801	001 to 010	601857-011301
601857-001001	001 to 004	601857-004501
601857-001101	001 to 021	601857-005801
601857-001201	001 to 007	601857-004601
601857-001501	001 to 012	601857-004701
601857-001601	001 to 015	601857-004801
601857-001801	001 to 011	601857-004901
601857-001901	001 to 016	601857-005001
601857-002001	001 to 005	601857-005101
601857-002101	001 to 005	601857-005201
601857-002201	001 to 009	601857-005301
601857-002301	001 to 005	601857-005401
601858-000301	001 to 007	601858-007801
601858-000401	001 to 002	601858-007901
601858-000501	001 to 003	601858-008001
601858-000801	001 to 026	601858-008301
601858-000901	001 to 002	601858-012501
601858-001001	001 to 002	601858-008401
601858-001201	001	601858-008501
601858-001301	001 to 003	601858-008601
601858-001701	001 to 002	601858-008701
601858-002101	001 to 004	601858-008801
601858-002201	001 to 008	601858-008901
601858-002401	001 to 010	601858-009001
601858-002501	001 to 003	601858-009101



Pre-mod P/N	s/n (inclusive)	Post-mod P/N
601858-002801	001	601858-009301
601858-003001	001 to 004	601858-009401
601858-003301	001 to 002	601858-012601
601858-003401	001 to 010	601858-009501
601858-003601	001 to 015	601858-009701
601858-003801	001 to 002	601858-009901
601858-003901	001 to 009	601858-010001
601858-004101	001 to 056	601858-010101
601858-004201	001 to 002	601858-008201
601858-004301	001 to 002	601858-008101
601858-004401	001 to 012	601858-010201
601858-004601	001	601858-010301
601858-004701	001 to 015	601858-010401
601858-004801	001 to 003	601858-010501
601858-004901	001	601858-010601
601858-005001	001 to 009	601858-010701
601858-005201	001 to 008	601858-010801
601858-005301	001 to 007	601858-010901
601858-005401	001 to 002	601858-011001
601858-005501	001	601858-011101
601858-005601	001 to 013	601858-011201
601858-005701	001 to 004	601858-011301
601858-005901	001 to 005	601858-011501
601858-006001	001 to 004	601858-011601
601858-006201	001 to 002	601858-011701
601858-006301	001 to 005	601858-011801
601858-006901	001 to 002	601858-011901
601858-007001	001	601858-012001

Table 2 – Affected Galleys 2

Pre-mod P/N	s/n (inclusive)	Post-mod P/N
601856-000601	001 to 002	601856-003901
601856-003401	001 to 002	601856-004301



Table 3 – Affected Galleys 3

Part Number	
601856-002301	601858-008701
601856-002401	601858-008801
601856-003801	601858-008901
601856-002501	601858-009001
601856-003901	601858-009101
601856-004001	601858-008901
601856-003501	601858-009001
601856-002601	601858-009101
601856-002701	601858-009301
601856-002801	601858-009401
601856-002901	601858-012601
601856-003001	601858-009501
601856-003301	601858-009701
601856-004301	601858-009901
601857-004201	601858-010001
601857-004301	601858-010101
601857-004401	601858-008201
601857-011301	601858-008101
601857-004501	601858-010201
601857-005801	601858-010301
601857-004601	601858-010401
601857-004701	601858-010501
601857-004801	601858-010601
601857-004901	601858-010701
601857-005001	601858-010801
601857-005101	601858-010901
601857-005201	601858-011001
601857-005301	601858-011101
601857-005401	601858-011201
601858-007801	601858-011301
601858-007901	601858-011501
601858-008001	601858-011601
601858-008301	601858-011701
601858-012501	601858-011801
601858-008401	601858-011901
601858-008501	601858-012001
601858-008601	



Table 4 – Affected Galleys 4

Part Number				
601850-000301	601852-000801	601852-008601	601858-006801	601880-000301
601850-000801	601852-000901	601852-008901	601858-007101	601880-000501
601850-000901	601852-001101	601852-009101	601858-007501	601888-000301
601850-001001	601852-001401	601852-009201	601858-007601	601888-000401
601850-001401	601852-002401	601852-010101	601858-007701	601888-000501
601850-001601	601852-002501	601852-010501	601858-009601	601888-000601
601850-001701	601852-002601	601852-018301	601858-012101	601888-000901
601850-001801	601852-003001	601855-000401	601858-012201	601888-001001
601850-001901	601852-003101	601855-000601	601858-012301	601888-001101
601850-002201	601852-003201	601855-000701	601858-012801	601888-001301
601850-002401	601852-003301	601856-002101	601858-012901	
601850-002801	601852-003501	601857-000301	601858-013301	
601850-003001	601852-003601	601857-002501	601858-013401	
601851-000201	601852-004401	601857-002601	601858-013601	
601851-000601	601852-004501	601857-002901	601858-013801	
601851-000901	601852-004601	601857-003001	601858-013901	
601851-001201	601852-004701	601857-003301	601858-015201	
601851-001301	601852-004801	601857-003401	601865-000101	
601851-001501	601852-004901	601857-003501	601865-000401	
601851-001601	601852-005101	601857-003601	601865-000501	
601851-001801	601852-005201	601857-003701	601865-000601	
601851-002301	601852-005301	601857-003801	601865-000701	
601851-002501	601852-005401	601857-003901	601865-000801	
601851-002901	601852-005501	601857-004001	601865-000901	
601851-003001	601852-005601	601857-004101	601865-001101	
601851-003201	601852-005901	601857-006001	601865-001201	
601851-003301	601852-006301	601857-006101	601865-001301	
601851-003401	601852-006501	601857-006201	601865-001401	
601851-003601	601852-006601	601857-017401	601865-001501	
601851-003701	601852-006701	601858-001501	601865-001601	
601851-004001	601852-006801	601858-002001	601865-001701	
601851-004201	601852-007001	601858-002701	601868-000201	
601851-005101	601852-007401	601858-003501	601869-000401	
601851-005201	601852-007601	601858-003701	601869-000501	
601851-005301	601852-007701	601858-005101	601869-000601	
601851-012801	601852-007801	601858-005801	601870-000301	
601852-000301	601852-007901	601858-006101	601870-000401	
601852-000501	601852-008001	601858-006401	601870-000601	
601852-000601	601852-008201	601858-006501	601879-000301	
601852-000701	601852-008301	601858-006601	601879-000401	



Table 5 – Affected Galleys 5

Part Number
601539-1
601539-101
601863-000101
601863-000102
601863-000301
601863-000402
601863-000502
601863-000602
601863-000702
601863-000802
601863-000902
601927-000001
601865-000201
601888-000701
601935-000001

