



## 適航指令發布單

### Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2022-02-010	發布日期 Date issued	2022/2/23
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Airbus A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A320-211, A320-212, A320-214, A320-215, A320-216, A320-231, A320-232, A320-233, A320-251N, A320-271N, A321-111, A321-112, A321-131, A321-211, A321-212, A321-213, A321-231, A321-232, A321-251N and A321-253N aeroplanes, all manufacturer serial numbers (MSN), if equipped with an affected galley, as identified by Part Number (P/N) and serial number (s/n) in Table 1 and Table 2 of Appendix 1 of this AD, or as identified by P/N in Tables 3, 4 or 5 of Appendix 1 of this AD.		
主旨摘要 Subject	Equipment / Furnishings - Galley / Container End Stop - Replacement		
<div style="text-align: center;">民航局 CAA</div> <input type="checkbox"/> 本國產品 Native product  <input type="checkbox"/> 其他個案 Other	<div style="text-align: center;">設計國民航主管機構 Original Authority</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> FAA  <input checked="" type="checkbox"/> EASA  <input type="checkbox"/> Brazil  <input type="checkbox"/> Transport Canada Civil Aviation  <input type="checkbox"/> DGAC         </div> <div style="width: 48%;"> <input type="checkbox"/> Germany LBA  <input type="checkbox"/> CAA-NL  <input type="checkbox"/> UK CAA  <input type="checkbox"/> Japan CAB  <input type="checkbox"/> CAA of Israel  <input type="checkbox"/> Other _____         </div> </div>		
	設計國 AD 編號 Original AD number	2022-0026	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	This AD supersedes EASA AD 2018-0255(CAA-2018-11-014) dated 27 November 2018 and EASA AD 2019-0106(CAA-2019-05-007) dated 15 May 2019.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a> Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a>			



## Airworthiness Directive

**AD No.:** 2022-0026

**Issued:** 16 February 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, 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 agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

**Design Approval Holder's Name:**

AIRBUS

**Type/Model designation(s):**

A319, A320 and A321 aeroplanes

**Effective Date:** 02 March 2022

**TCDS Number(s):** EASA.A.064

**Foreign AD:** Not applicable

**Supersedure:** This AD supersedes EASA AD 2018-0255 dated 27 November 2018 and EASA AD 2019-0106 dated 15 May 2019.

### ATA 25 – Equipment / Furnishings – Galley / Container End Stop – Replacement

**Manufacturer(s):**

Airbus, formerly Airbus Industrie

**Applicability:**

Airbus A319-111, A319-112, A319-113, A319-114, A319-115, A319-131, A319-132, A319-133, A320-211, A320-212, A320-214, A320-215, A320-216, A320-231, A320-232, A320-233, A320-251N, A320-271N, A321-111, A321-112, A321-131, A321-211, A321-212, A321-213, A321-231, A321-232, A321-251N and A321-253N aeroplanes, all manufacturer serial numbers (MSN), if equipped with an affected galley, as identified by Part Number (P/N) and serial number (s/n) in Table 1 and Table 2 of Appendix 1 of this AD, or as identified by P/N in Tables 3, 4 or 5 of Appendix 1 of this AD.

**Definitions:**

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

**The applicable SB1:** Airbus Service Bulletin (SB) A320-25-1BF6 revision (rev.) 01 and Zodiac Galleys Europe SB 213510-25-001 rev. D.

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



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

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

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

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

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

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

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

Group 2 are aeroplanes having an affected galley list 2 installed.

Group 3 are aeroplanes having an affected galley list 3 installed.

Group 4 are aeroplanes having an affected galley list 4 installed.

Group 5 are aeroplanes having an affected galley list 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. The investigation determined that the opening of the waste compartment door 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 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, 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.



Since 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 revised SB A320-25-1BK9 (now at rev. 02), and Zodiac Galleys Europe revised SB 213510-25-001 (now at rev. D) accordingly. It was also determined that certain stowage units are affected by the potential unsafe condition.

For the reasons described above, this AD retains the requirements of EASA AD 2018-0255 and AD 2019-0106, which are superseded, and expands the Applicability.

#### **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 list 1 by installing a door catch bracket and a new striker in accordance with the instructions of the applicable SB1 (see Note 1 of this AD).
- (2) For Group 2 aeroplanes: Within 12 months after the effective date of this AD, modify the waste compartment door of each affected galley list 2 by installing a door catch bracket and a new striker in accordance with the instructions of the applicable 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 applicable SB2.
- (4) For Group 5 aeroplanes: Within 48 months after 29 May 2019 [the effective date of EASA AD 2019-0106], contact Airbus for modification and re-identification instructions of each affected galley list 5 and accomplish those instructions accordingly (see Note 2 of this AD).

Note 2: It is expected that the applicable SB2 will be updated at next scheduled revision to include modification and re-identification instructions for affected galleys list 5.

#### **Credit:**

- (5) 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.
- (6) 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 or rev. 01, is an acceptable alternative method to comply with the requirements of paragraph (3) of this AD for that affected galley.



**Alternative Method:**

- (7) 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 affected galley.

**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.

Airbus SB A320-25-1BKK original issue dated 06 June 2018.

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 rev. D dated 15 August 2019.

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 31 August 2020 as PAD 20-128 for consultation until 28 September 2020, and republished as PAD 20-128R1 on 07 October 2020 for additional consultation until 04 November 2021. The Comment Response Documents 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](mailto: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 – IIASA; E-Mail: [account.airworth-eas@airbus.com](mailto:account.airworth-eas@airbus.com).



## Appendix 1

Table 1 – Affected Galley List 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



<b>Pre-mod P/N</b>	<b>s/n (inclusive)</b>	<b>Post-mod P/N</b>
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 Galley List 2

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





Table 3 – Affected Galley List 3

Part Number
601856-002301
601856-002401
601856-003801
601856-002501
601856-003901
601856-004001
601856-003501
601856-002601
601856-002701
601856-002801
601856-002901
601856-003001
601856-003301
601856-004301
601857-004201
601857-004301
601857-004401
601857-011301
601857-004501
601857-005801
601857-004601
601857-004701
601857-004801
601857-004901
601857-005001
601857-005101
601857-005201
601857-005301
601857-005401
601858-007801
601858-007901
601858-008001
601858-008301
601858-012501
601858-008401
601858-008501
601858-008601
601858-008701
601858-008801
601858-008901
601858-009001
601858-009101

Part Number
601858-009301
601858-009401
601858-012601
601858-009501
601858-009701
601858-009901
601858-010001
601858-010101
601858-008201
601858-008101
601858-010201
601858-010301
601858-010401
601858-010501
601858-010601
601858-010701
601858-010801
601858-010901
601858-011001
601858-011101
601858-011201
601858-011301
601858-011501
601858-011601
601858-011701
601858-011801
601858-011901
601858-012001



Table 4 – Affected Galley List 4

Part Number	Part Number
601850-000301	601852-001101
601850-000801	601852-001401
601850-000901	601852-002401
601850-001001	601852-002501
601850-001401	601852-002601
601850-001601	601852-003001
601850-001701	601852-003101
601850-001801	601852-003201
601850-001901	601852-003301
601850-002201	601852-003501
601850-002401	601852-003601
601850-002801	601852-004401
601850-003001	601852-004501
601851-000201	601852-004601
601851-000601	601852-004701
601851-000901	601852-004801
601851-001201	601852-004901
601851-001301	601852-005101
601851-001501	601852-005201
601851-001601	601852-005301
601851-001801	601852-005401
601851-002301	601852-005501
601851-002501	601852-005601
601851-002901	601852-005901
601851-003001	601852-006301
601851-003201	601852-006501
601851-003301	601852-006601
601851-003401	601852-006701
601851-003601	601852-006801
601851-003701	601852-007001
601851-004001	601852-007401
601851-004201	601852-007601
601851-005101	601852-007701
601851-005201	601852-007801
601851-005301	601852-007901
601851-012801	601852-008001
601852-000301	601852-008201
601852-000501	601852-008301
601852-000601	601852-008601
601852-000701	601852-008901
601852-000801	601852-009101
601852-000901	601852-009201



Part Number
601852-010101
601852-010501
601852-018301
601855-000401
601855-000601
601855-000701
601856-002101
601857-000301
601857-002501
601857-002601
601857-002901
601857-003001
601857-003301
601857-003401
601857-003501
601857-003601
601857-003701
601857-003801
601857-003901
601857-004001
601857-004101
601857-006001
601857-006101
601857-006201
601857-017401
601858-001501
601858-002001
601858-002701
601858-003501
601858-003701
601858-005101
601858-005801
601858-006101
601858-006401
601858-006501
601858-006601
601858-006801
601858-007101
601858-007501
601858-007601
601858-007701
601858-009601
601858-012101
601858-012201

Part Number
601858-012301
601858-012801
601858-012901
601858-013301
601858-013401
601858-013601
601858-013801
601858-013901
601858-015201
601865-000101
601865-000401
601865-000501
601865-000601
601865-000701
601865-000801
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601865-001101
601865-001201
601865-001301
601865-001401
601865-001501
601865-001601
601865-001701
601868-000201
601869-000401
601869-000501
601869-000601
601870-000301
601870-000401
601870-000601
601879-000301
601879-000401
601880-000301
601880-000501
601888-000301
601888-000401
601888-000501
601888-000601
601888-000901
601888-001001
601888-001101
601888-001301
601888-001401
601888-001501



Part Number
601888-001701
601888-001801
601888-001901
601888-002201
601888-002301
601891-000401
601891-001201
601903-000001
601903-000101
601903-000201
601903-000301



Table 5 – Affected Galleys List 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
601869-000101
601869-000701
601888-000701
601935-000001

