



## Airworthiness Directive

**AD No.:** 2021-0028

**Issued:** 21 January 2021

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):

A340 aeroplanes

**Effective Date:** 04 February 2021

**TCDS Number(s):** EASA.A.015

**Foreign AD:** Not applicable

**Supersedure:** This AD supersedes DGAC France AD 2000-157-145(B) dated 05 April 2000.

## ATA 57 – Wings – Bottom Wing Skin Panel – Modification

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### Manufacturer(s):

Airbus, formerly Airbus Industrie

### Applicability:

Airbus A340-211, A340-212, A340-213, A340-311, A340-312 and A340-313 aeroplanes, manufacturer serial numbers (MSN) as listed in Appendix 1 of this AD.

### Definitions:

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

**Affected panel:** Bottom wing skin panel No. 3, aft of the wing rear spar.

**The SB:** Airbus Service Bulletin (SB) A340-57-4068 Revision 02.

**SR:** Optimized sets of flight cycles (FC) and flight hours (FH) for short range (SR) operations.

**LR:** Optimized sets of FC and FH for long range (LR) operations.

The instructions provided by Airbus Operators Information Telex (OIT) 999.0086/11 can be used to determine whether an aeroplane is operated SR or LR.



**Reason:**

It was identified that cold working had not been applied on the drain hole located in the affected panel during production. In addition, in-service experience has shown that this hole is incorrectly located with regard to moisture drainage.

This condition, if not corrected, could induce fatigue cracking at the affected hole, possibly resulting in reduced structural integrity of the wing.

To address this potential unsafe condition, Airbus issued the SB to provide instructions to perform cold working of the affected hole and drill and cold-work an additional drain hole. Consequently, DGAC France issued AD 2000-157-145(B) to require modification of the affected panel.

Since that AD was issued, Airbus introduced a reduced threshold for the modification embodiment, obtained within the frame of the certification of the A340 Extended Service Goal exercise. No additional work is required for aeroplanes already modified in accordance with the instructions of Airbus SB A340-57-4068 (at any Revision).

For the reasons described above, this AD retains the requirements of DGAC France AD 2000-157-145(B), which is superseded, but reduces the compliance time.

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

Required as indicated, unless accomplished previously:

**Modification(s):**

- (1) Within the compliance times as defined in Table 1 of this AD, as applicable, or within 18 months after the effective date of this AD, whichever occurs later, modify the affected panel in accordance with the instructions of the SB.

Table 1 – Modification of the affected Panel (see Note 1 of this AD)

<b>Compliance Time</b> (FC or FH, whichever occurs first)	
<b>SR</b>	Before exceeding 8 400 FC or 33 800 FH
<b>LR</b>	Before exceeding 6 100 FC or 41 200 FH

Note 1: The FC and FH specified in Table 1 of this AD are those accumulated by the aeroplane since its first flight.

**Credit:**

- (2) Modification of an aeroplane, accomplished before the effective date of this AD in accordance with the instructions of Airbus SB A340-57-4068 at original issue, or Revision 01, is an acceptable method to comply with the requirements of paragraph (1) of this AD for that aeroplane.

**Ref. Publications:**

Airbus SB A340-57-4068 original issue dated 12 August 1999, or Revision 01 dated 06 December 1999, or Revision 02 dated 16 May 2000.



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. This AD was posted on 21 December 2020 as PAD 20-206 for consultation until 18 January 2021. No comments were received during the consultation period.
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.
4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – IIAL (Airworthiness Office), E-mail: [airworthiness.A330-A340@airbus.com](mailto:airworthiness.A330-A340@airbus.com).



## Appendix 1 – Affected MSN

0002 to 0009 inclusive
0011, 0013 to 0016 inclusive
0018 to 0029 inclusive
0031 to 0036 inclusive
0038 to 0041 inclusive
0043, 0044, 0046 to 0049 inclusive
0051 to 0053 inclusive
0056 to 0058 inclusive
0061, 0063, 0074 to 0076 inclusive
0078 to 0081 inclusive
0084, 0085, 0088 to 0091 inclusive
0093, 0094, 0097, 0101, 0103, 0104, 0114, 0115, 0117, 0123, 0125, 0126, 0128, 0129, 0131, 0133 to 0137 inclusive
0139, 0141, 0142, 0145 to 0147 inclusive
0149 to 0152 inclusive
0154, 0156 to 0161 inclusive
0163, 0164, 0166 to 0170 inclusive
0173 to 0176 inclusive
0178 to 0180 inclusive
0182, 0185 to 0187 inclusive
0190, 0192 to 0194 inclusive
0196, 0197, 0199, 0201, 0202, 0204, 0207, 0208, 0210, 0212 to 0218 inclusive
0220, 0221, 0225, 0227, 0228, 0233, 0235 to 0237 inclusive
0242, 0243 and 0245

