



## Airworthiness Directive

**AD No.:** 2021-0032

**Issued:** 22 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:** 05 February 2021

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

**Foreign AD:** Not applicable

**Supersedure:** This AD supersedes DGAC France AD F-2000-213-149R1 (EASA approval 2004-3053) dated 31 March 2004.

## ATA 57 – Wings – Outer Wings / Centre Spar – Modification

### 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 part:** Outer wing centre spar, on left-hand and right-hand sides.

**The SB:** Airbus Service Bulletin (SB) A340-57-4008 Revision 03.

**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:

During the full-scale fatigue testing of the A340 aeroplane, cracks were found in the affected part.



This condition, if not detected and corrected, could affect the structural integrity of the wing.

To address this potential unsafe condition, Airbus issued SB A340-57-4008 (original issue and Revision 01, later further revised) to provide instructions to reinforce the rear face of the centre wing spar by installing T-plates. Consequently, DGAC France issued AD 2000-213-149 (later revised) to require the modification of the wing spar.

Since DGAC France AD F-2000-213-149R1 (EASA approval 2004-3053) 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 A340-57-4008 (at any Revision).

For the reason described above, this AD retains the requirements of DGAC France AD F-2000-213-149R1, 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 each affected part in accordance with the instructions of the SB.

Table 1 - Modification of affected part (see Note 1 of this AD)

| Compliance Time (FC or FH, whichever occurs first) |   |
|--|---|
| SR   | Before exceeding 13 300 FC or 53 200 FH |
| LR   | Before exceeding 10 600 FC or 71 500 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 A340-57-4008 at original issue, or Revision 01, or Revision 02, is an acceptable method to comply with the requirements of paragraph (1) of this AD for that aeroplane.

#### Ref. Publications:

Airbus SB A340-57-4008 original issue dated 27 November 1995, or Revision 01 dated 15 November 1999, or Revision 02 dated 12 July 2000, or Revision 03 dated 11 February 2004.

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 20-207 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.
5. 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 0035 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 |

