



## Airworthiness Directive

**AD No.:** 2015-0219

**Issued:** 03 November 2015

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 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 (EC) 216/2008, Article 14(4) exemption].

**Design Approval Holder's Name:**

AIRBUS

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

A318, A319, A320 and A321 aeroplanes

**Effective Date:** 17 November 2015

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

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 53 – Fuselage – Cabin / Cargo Compartment Parts – Inspection / Replacement [Improper Heat Treatment]

**Manufacturer(s):**

Airbus (formerly Airbus Industrie)

**Applicability:**

Airbus A318-112, A319-111, A319-112, A319-115, A319-132, A319-133, A320-214, A320-216, A320-232, A320-233, A321-211, A321-212, A321-213, A321-231 and A321-232 aeroplanes, manufacturer serial numbers (MSN) 4895, 4903, 4911, 4919, 4929, 4938, 4942, 4944, 4946, 4948 and 4951, MSN 4956 to 5541 inclusive, MSN 5544, 5547, 5550, 5551, 5553, 5556, 5559, 5561, 5562, 5563, 5565, 5566, 5570, 5572, 5576 and 5578.

**Reason:**

Following an Airbus quality control review on the final assembly line, it was discovered that aluminium alloy with inadequate heat treatment were delivered by a supplier for several structural parts. The results of the investigations highlighted that 1% of the stock could be impacted by this wrong material. Structural investigations demonstrated the capability to sustain the static limits loads, and sufficient fatigue life up to a certain inspection threshold.

This condition, if not detected and corrected, could reduce the aeroplane structural integrity following fatigue load.



To address this potential unsafe condition, Airbus issued Service Bulletins (SB) A320-53-1292, SB A320-53-1293 and SB A320-53-1294 to provide inspection instructions.

For the reasons described above, this AD requires a one-time Special Detailed Inspection (SDI) of certain cabin, cargo compartment and frame parts and, depending on findings, replacement with serviceable parts.

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

Required as indicated, unless accomplished previously:

Within 6 years after the aeroplane date of manufacture (see Note 1), accomplish the actions as specified in paragraph (1) and (2) of this AD.

Note 1: For the purpose of this AD, the date of manufacture is the date of transfer of title, which is referenced in Airbus documentation at the time of first delivery to an operator.

- (1) Accomplish an SDI of the affected cabin, cargo compartment and frame parts, listed by Part Number (P/N) and identified as 'affected P/N' in Table 1, 2 and 3 of this AD, as applicable, in accordance with the instructions of Airbus SB A320-53-1292, SB A320-53-1293, or SB A320-53-1294, as applicable.
- (2) If, during an inspection as required by paragraph (1) of this AD, a part with inadequate heat treatment is detected, replace the part with a part identified as 'Acceptable Replacement P/N' in Table 1, 2 and 3 of this AD, in accordance with the instructions of Airbus SB A320-53-1292, SB A320-53-1293, or SB A320-53-1294, as applicable.

Table 1 – Cabin Parts to be Inspected / Installed – SB A320-53-1292

<b>Affected P/N</b>	<b>Acceptable Replacement P/N</b>
D2127245500000	Same P/N
D2127247600200	
D2127247600300	
D2127399900200	
D2127399900300	
D2127698900800	
D2127698902400	
D2527075131200	D2527075131251
D2527075131300	D2527075131351
D2527075138000	Same P/N
D2527075138100	
D2527075138200	
D2527075138300	



Affected P/N	Acceptable Replacement P/N
D2527075138600	D2527075138651
D2527075138800	D2527075138851
D2527240220600	D2527240220651
D2527240220700	D2527240220751
D2527240220800	D2527240220851
D9249591201000	Same P/N
D9249591201800	
D9249591227800	D9249591227851
D9249591227900	D9249591227951
D9249591228000	D9249591228051
D9249591228100	D9249591228151

Table 2 – Cargo Compartment Parts to be Inspected / Installed – SB A320-53-1293

Affected P/N	Acceptable Replacement P/N
D2707033520000	Same P/N
D2827027120000	Same P/N
D2827093500400	Same P/N
D2907013701200	D2907013701251
D2907013800400	D2907013800451
D3247012900000	D3247012900051
D3817003820000	Same P/N
D3817012320200	D3817012320251
D3837021201600	Same P/N
D3837033300400	Same P/N
D4918518320200 (see Note 2)	Same P/N
D5347043420400	D5347043420451
D9248511000000	D9248511000051
D9249254100200	D9249254100251
D9249282300000	Same P/N

Note 2: P/N D4918518320201 is erroneously quoted in SB A320-53-1293 original issue. This typographical error will be removed in the next issues of the SB.



Table 3 - Frame Parts to be Inspected / Installed – SB A320-53-1294

Affected P/N	Acceptable Replacement P/N
D2827098326800	D2827098326851
D5347051620600	D5347051620651
D5347051720600	D5347051720651
D5347057120000	D5347057120051
D5347067520600	D5347067520651
D5347067521400	D5347067521451
D5347067520800	D5347067520851
D5347067521000	D5347067521051
D5347067521600	D5347067521651
D5347067620600	same P/N
D5347067720200	D5347067720251
D5347067720400	D5347067720451
D5347986520200	D5347986520251

**Ref. Publications:**

Airbus SB A320-53-1292 original issue dated 23 July 2015.

Airbus SB A320-53-1293 original issue dated 30 July 2015.

Airbus SB A320-53-1294 original issue dated 23 July 2015.

The use of later approved revisions of these documents are 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 28 September 2015 as PAD 15-127 for consultation until 26 October 2015. The Comment Response Document can be found at <http://ad.easa.europa.eu>.
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. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EIAS;  
Fax +33 5 61 93 44 51; E-mail: [account.airworth-eas@airbus.com](mailto:account.airworth-eas@airbus.com).

