



Airworthiness Directive

AD No.: 2015-0218

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 [Wrong Material]

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) 3586, 3588, 3589, 3590, 3595, 3604, 3608, 3614, 3615, 3620, 3632, 3634, 3638, 3647, 3651, 3657, 3660, 3661, 3663, 3671, 3675, 3680, 3683 to 3687 inclusive, 3689, 3691, 3694, 3700, 3702, 3704, 3705, 3710, 3720, 3727, 3728, 3733, 3735, 3742, 3744, 3746, 3754, 3757, 3759, 3763, 3768, 3770, 3772, 3774, 3775, 3779, 3788, 3790, 3794, 3797, 3799, 3801, 3803, 3808, 3810, 3818, 3822, 3824, 3826 to 4329 inclusive, 4331 to 6051 inclusive, 6053 to 6061 inclusive, 6063 to 6072 inclusive, 6074 to 6100 inclusive, 6102 to 6115 inclusive, 6117 to 6126 inclusive, 6128 to 6136 inclusive, 6138 to 6143 inclusive, 6145 to 6150 inclusive, 6152 to 6159 inclusive, 6161 and 6162.

Reason:

Following an Airbus quality control review on the final assembly line, it was discovered that wrong aluminium alloy were delivered by a supplier for several structural parts. The results of the



investigations highlighted that 0.04% 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 structural integrity of the aeroplane. To address this potential unsafe condition, Airbus issued Service Bulletin (SB) A320-53-1298 and SB A320-53-1299 to provide inspection instructions.

For the reasons described above, this AD requires a one-time Special Detailed Inspection (SDI) of certain cabin and cargo compartment parts for material identification 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 effective date of this AD, but not exceeding 12 years since the aeroplane date of manufacture (see Note), accomplish the actions as specified in paragraph (1) and (2) of this AD.

Note: 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 cabin and cargo compartment parts, listed by Part Number (P/N) and identified as 'Affected P/N' in Table 1 of this AD, in accordance with the instructions of Airbus SB A320-53-1298 and SB A320-53-1299, as applicable to aeroplane MSN according to appendix 3 of each SB.
- (2) If, during an inspection as required by paragraph (1) of this AD, a part with wrong material is detected, replace the part with a part identified as 'Acceptable Replacement P/N' in Table 1 of this AD in accordance with the instructions of Airbus SB A320-53-1298 or A320-53-1299 as applicable.

Table 1 – Parts to be Inspected / Installed

| Affected P/N | Acceptable Replacement P/N | AREA |
|----------------|----------------------------|-------|
| D5347120720000 | D5347120720051 | cabin |
| D5347120720100 | D5347120720151 | |
| D5347120920000 | D5347120920051 | |
| D5347120920100 | D5347120920151 | |
| D5347118820400 | D5347118820451 | |
| D5347717620000 | D5347717620051 | cargo |
| D5357020620000 | D5357020620051 | |
| D5358526421200 | D5358526421251 | |
| D5358526421400 | D5358526421400 | |
| D5358526421000 | D5358526421051 | |
| D5358513120001 | D5358513120051 | |



Ref. Publications:

Airbus SB A320-53-1298 original issue dated 16 February 2015.

Airbus SB A320-53-1299 original issue dated 16 February 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 15-126 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.
4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EIAS;
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