

EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	PAD No.: 15-127 Date: 28 September 2015 Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.
In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.	
Design Approval Holder's Name: AIRBUS	Type/Model designation(s): A318, A319, A320 and A321 aeroplanes
TCDS Number:	EASA.A.064
Foreign AD:	Not applicable
Supersedure:	None
ATA 53	Fuselage – Cabin / Cargo Compartment / Frame 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.

Effective Date:	[TBD: 14 days after final AD issue date]																																								
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: Within 6 years after the aeroplane date of manufacture, accomplish the actions as specified in paragraph (1) and (2) of this AD. (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 <table border="1"> <thead> <tr> <th>Affected P/N</th><th>Acceptable Replacement P/N</th></tr> </thead> <tbody> <tr><td>D2127245500000</td><td rowspan="7">Same P/N</td></tr> <tr><td>D2127247600200</td></tr> <tr><td>D2127247600300</td></tr> <tr><td>D2127399900200</td></tr> <tr><td>D2127399900300</td></tr> <tr><td>D2127698900800</td></tr> <tr><td>D2127698902400</td></tr> <tr><td>D2527075131200</td><td>D2527075131251</td></tr> <tr><td>D2527075131300</td><td>D2527075131351</td></tr> <tr><td>D2527075138000</td><td rowspan="4">Same P/N</td></tr> <tr><td>D2527075138100</td></tr> <tr><td>D2527075138200</td></tr> <tr><td>D2527075138300</td></tr> <tr><td>D2527075138600</td><td>D2527075138651</td></tr> <tr><td>D2527075138800</td><td>D2527075138851</td></tr> <tr><td>D2527240220600</td><td>D2527240220651</td></tr> <tr><td>D2527240220700</td><td>D2527240220751</td></tr> <tr><td>D2527240220800</td><td>D2527240220851</td></tr> <tr><td>D9249591201000</td><td rowspan="2">Same P/N</td></tr> <tr><td>D9249591201800</td></tr> <tr><td>D9249591227800</td><td>D9249591227851</td></tr> <tr><td>D9249591227900</td><td>D9249591227951</td></tr> <tr><td>D9249591228000</td><td>D9249591228051</td></tr> <tr><td>D9249591228100</td><td>D9249591228151</td></tr> </tbody> </table>	Affected P/N	Acceptable Replacement P/N	D2127245500000	Same P/N	D2127247600200	D2127247600300	D2127399900200	D2127399900300	D2127698900800	D2127698902400	D2527075131200	D2527075131251	D2527075131300	D2527075131351	D2527075138000	Same P/N	D2527075138100	D2527075138200	D2527075138300	D2527075138600	D2527075138651	D2527075138800	D2527075138851	D2527240220600	D2527240220651	D2527240220700	D2527240220751	D2527240220800	D2527240220851	D9249591201000	Same P/N	D9249591201800	D9249591227800	D9249591227851	D9249591227900	D9249591227951	D9249591228000	D9249591228051	D9249591228100	D9249591228151
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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	
D2827093500400	
D3817003820000	
D3837021201600	
D3837033300400	
D4918518320201	
D9249282300000	
D2907013701200	D2907013701251
D2907013800400	D2907013800451
D3247012900000	D3247012900051
D3817012320200	D3817012320251
D5347043420400	D5347043420451
D9248511000000	D9248511000051
D9249254100200	D9249254100251

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. This Proposed AD will be closed for consultation on 26 October 2015. 2. Enquiries regarding this PAD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 3. For any question concerning the technical content of the requirements in this PAD, please contact: AIRBUS – Airworthiness Office – EIAS; Fax +33 5 61 93 44 51; E-mail: account.airworth-eas@airbus.com.