



# Notification of a Proposal to issue an Airworthiness Directive

**PAD No.: 17-085**

**Issued: 27 June 2017**

Note: This Proposed Airworthiness Directive (PAD) 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.

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 date indicated.

**Design Approval Holder's Name:**

AIRBUS

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

A300 aeroplanes

**Effective Date:** [TBD - standard: 14 days after AD issue date]

**TCDS Number(s):** EASA.A.172

**Foreign AD:** Not applicable

**Supersedure:** This AD supersedes EASA AD 2013-0210 dated 11 September 2013.

## ATA 32, 36 – Landing Gear / Pneumatic – Component Life Limits – Implementation

### Manufacturer(s):

Airbus (formerly Airbus Industrie)

### Applicability:

Airbus A300 aeroplanes, all certified models, all Manufacturer Serial Numbers.

### Reason:

Some airworthiness limitations previously defined in Revision 01 of A300 ALS Part 1 have been removed from that document at Revision 02 and should normally be included in an ALS Part 4. Airbus does not plan to issue an ALS Part 4 for A300 aeroplanes.

Nevertheless, failure to comply with these airworthiness limitations could result in an unsafe condition.

Previously, EASA issued AD 2007-0293 to require implementation of airworthiness limitations applicable to main landing gear (MLG) barrel assembly, retraction actuator assembly, linkage assembly and flanged duct, which were previously defined in Revision 00 of A300 ALS Part 1 but removed from Revision 01 of A300 ALS Part 1, adding those limits as an Appendix to the AD (no ALS Part 4 for A300 aeroplanes).



Subsequently, EASA issued AD 2013-0210, retaining the requirements of EASA AD 2007-0293, which was superseded, but with updated limits.

Since EASA AD 2013-0210 was issued, improvement of safe life component selection resulted, among others, in removal of 15 nose landing gear (NLG) parts from Revision 02 of A300 ALS P1. It has been decided to require the application of these airworthiness limitations, through a separate AD.

For the reason described above, this AD retains the requirements of EASA AD 2013-0210, which is superseded, and requires, in addition to the implementation of airworthiness limitations already contained in EASA AD 2013-0210, the implementation of airworthiness limitations applicable to NLG barrel assembly and shock absorber assembly, previously contained in Revision 01 of A300 ALS P1, as specified in Appendix 1 of this AD.

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

Required as indicated, unless accomplished previously:

#### **Maintenance Tasks and Replacement of Life Limited Parts:**

- (1) From the effective date of this AD, replace each component before or upon reaching the applicable life limit, as specified in Appendix 1 of this AD.

#### **Aircraft Maintenance Programme (AMP) Revision:**

- (2) Within 12 months after the effective date of this AD, revise the approved AMP, on the basis of which the operator or the owner ensures the continuing airworthiness of each operated aeroplane, by incorporating the instructions and associated airworthiness limitations described in this AD and its Appendix, as applicable to aeroplane model and depending on aeroplane weight variant (WV, see Note 1 of this AD) and configuration.

Note 1: For the definition of WV, see TCDS EASA.A.172.

#### **Credit:**

- (3) For an AMP that, on the effective date of this AD, is already updated to incorporate the instructions and associated airworthiness limitations as specified both in the Appendix 1 of EASA AD 2013-0210 and in the previous Revision of A300 ALS Part 1 (i.e. Revision 01), that action ensures (see Note 2 of this AD) the continued accomplishment of those tasks and limitations.

Consequently, for an aeroplane to which that AMP applies, it is acceptable to accomplish the instructions and airworthiness limitations, as applicable to aeroplane model and depending on aeroplane WV and configuration, as defined in this AD and its Appendix to comply with paragraph (1) of this AD.

For that AMP, it is acceptable to incorporate the instructions and airworthiness limitations, as applicable to aeroplane model and depending on aeroplane WV and configuration, as defined in this AD and its Appendix, to comply with paragraph (2) of this AD.



**Recording AD compliance:**

- (4) When the AMP of an aeroplane has been revised as required by paragraph (2) or (3) of this AD, as applicable, that action ensures (see Note 2 of this AD) continued accomplishment of the tasks as required by paragraphs (1) of this AD for that aeroplane. Consequently, after revising the AMP, as required by paragraph (2) or (3) of this AD, as applicable, it is not necessary that accomplishment of individual action is recorded for demonstration of AD compliance on a continued basis.

Note 2: For affected Airbus A300 aeroplanes registered in Europe, complying with the approved AMP, as specified in paragraph (2) or (3) of this AD, as applicable, is required by Commission Regulation (EU) [1321/2014](#), Part M.A.301, paragraph 3.

**Ref. Publications:**

None.

**Remarks:**

1. This Proposed AD will be closed for consultation on 25 July 2017.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. For any question concerning the technical content of the requirements in this PAD, please contact: AIRBUS – EIAW (Airworthiness Office)  
E-mail: [continued.airworthiness-wb.external@airbus.com](mailto:continued.airworthiness-wb.external@airbus.com).



## Appendix 1

Part Name	Part Number	SAFE LIFE LIMITS (*)			Affected Model(s)					
		FH	LDG	Cal	B2-1A B2-1C	B2K-3C B2-20x	B2-320	B4-2C B4-1xx	B4-2xx	C4-203 F4-203
ATA 32-10-00 MAIN LANDING GEAR										
BARREL ASSEMBLY										
Stirrup	C66277-10	N/A	66600	N/A			X	X	X	X
	C66277-12	N/A	76600	N/A			X	X	X	X
	C66277-14	N/A	76600	N/A			X	X	X	X
	D58303-1	N/A	76600	N/A			X	X	X	X
Stirrup pin	C66457	N/A	76600	N/A			X	X	X	X
	D48939	N/A	76600	N/A			X	X	X	X
	D48939-1	N/A	76600	N/A			X	X	X	X
	D58314-1	N/A	76600	N/A			X	X	X	X
Universal joint	C66279	N/A	76600	N/A			X	X	X	X
	C66279-2	N/A	76600	N/A			X	X	X	X
	C66279-6	N/A	76600	N/A			X	X	X	X
	D58313-1	N/A	76600	N/A			X	X	X	X
Plate (Upper end)	C61637-10	N/A	76600	N/A	X	X				
	C61637-11	N/A	76600	N/A	X	X				
	C61637-12	N/A	76600	N/A	X	X				
Plate (Rear head end)	C61638-10	N/A	53300	N/A	X	X				
	C61638-11	N/A	53300	N/A	X	X				
	C61638-20	N/A	76600	N/A	X	X				
Tie rod	C68523-3	N/A	76600	N/A	X	X				
RETRACTION ACTUATOR ASSEMBLY										
(1) When SB A300-32-0123 embodied before SB A300-32-0113.										
(2) When SB A300-32-0123 embodied after SB A300-32-0113.										
Sliding rod	C69028-1	N/A	34000	N/A	X	X				
	C69028-4	N/A	34000	N/A	X	X				
	C69029-1 (1)	N/A	32000	N/A			X	X	X	X
	C69029-2	N/A	32000	N/A			X	X	X	X
	C69029-3	N/A	32000	N/A			X	X	X	X
	C69029-4 (2)	N/A	22000	N/A			X	X	X	X
Piston	C67078	N/A	33000	N/A			X	X	X	X
	C67078-1	N/A	33000	N/A			X	X	X	X
End fitting	C61342-4	N/A	36700	N/A	X	X				
	C66510-4	N/A	32000	N/A			X	X	X	X
LINKAGE ASSEMBLY										
Upper multiple link pin (Multiple link/Upper link)	C61505	N/A	76600	N/A	X	X				
	C61505-1	N/A	76600	N/A	X	X				
	C61505-20	N/A	76600	N/A	X	X				



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		FH	LDG	Cal	B2-1A B2-1C	B2K-3C B2-20x	B2-320	B4-2C B4-1xx	B4-2xx	C4-203 F4-203
ATA 36-11-05 PNEUMATIC										
(1) "xx" at the end of the P/N stands for any number between 00 and 99.										
Duct flanged (1)	A21274063000 xx	N/A	24000	N/A	X		X	X		
ATA 32-20-00 NOSE LANDING GEAR										
BARREL ASSEMBLY (FIG.07)										
(1) Limitation applicable to WV01 & WV03 only.										
(2) Part must be replaced by a new one every time it is removed from the barrel.										
(3) The nut must be replaced by a new one every time it is removed from the pin. When the nut is temporarily removed and reinstalled for the purpose of performing maintenance outside a workshop, no replacement is required provided the nut's removal and reinstallation are performed on the same pin and neither the pin nor the nut accumulates time in service during the period between the removal and reinstallation.										
End fitting pin nut	D68062	N/A	(2)	N/A	X	X	X	X	X	X
	MS17825-6	N/A	(2)	N/A	X	X	X	X	X	X
End fitting pin	AN6-17	N/A	(2)	N/A	X	X	X	X	X	X
	D61183	N/A	(2)	N/A	X	X	X	X	X	X
	D68063	N/A	(2)	N/A	X	X	X	X	X	X
	NAS1306-22D	N/A	(2)	N/A	X	X	X	X	X	X
End fitting	C62032	N/A	65700	N/A	X	X	X	X	X	X
	C62032-1	N/A	65700	N/A	X	X	X	X	X	X
	C62032-2	N/A	65700	N/A	X	X	X	X	X	X
	C62032-10	N/A	65700	N/A	X	X	X	X	X	X
	D61184	N/A	65700	N/A	X	X	X	X	X	X
	D61184-1	N/A	65700	N/A	X	X	X	X	X	X
	D68076	N/A	65700	N/A	X	X	X	X	X	X
Rack	D68695	N/A	65700	N/A	X	X	X	X	X	X
	C61453	N/A	65700	N/A	X	X (1)				
	C61453-1	N/A	65700	N/A	X	X	X	X	X	X
	C61453-15	N/A	65700	N/A	X	X	X	X	X	X
	C61453-20	N/A	65700	N/A	X	X	X	X	X	X
	C61453-40	N/A	65700	N/A	X	X	X	X	X	X
	C61453-41	N/A	65700	N/A	X	X	X	X	X	X
	C61453-205	N/A	65700	N/A	X	X	X	X	X	X



Part Name	Part Number	SAFE LIFE LIMITS (*)			Affected Model(s)					
		FH	LDG	Cal	B2-1A B2-1C	B2K-3C B2-20x	B2-320	B4-2C B4-1xx	B4-2xx	C4-203 F4-203
Turning tube	C59050-30	N/A	24000	N/A	X	X	X	X	X	X
	C59050-40	N/A	24000	N/A	X	X	X	X	X	X
	C59050-50	N/A	65700	N/A	X	X	X	X	X	X
	C59050-60	N/A	65700	N/A	X	X	X	X	X	X
	C59050	N/A	24000	N/A	X	X (1)				
	C59050-2	N/A	24000	N/A	X	X (1)	X	X	X	X
	C59050-3	N/A	24000	N/A	X	X (1)				
	C59050-4	N/A	24000	N/A	X	X	X	X	X	X
	C59050-20	N/A	24000	N/A	X	X	X	X	X	X
	C59050-28	N/A	24000	N/A	X	X (1)	X	X	X	X
Torque link pin (Upper & Lower)	C62223-1	N/A	65700	N/A	X	X	X	X	X	X
	C62223-15	N/A	65700	N/A	X	X	X	X	X	X
	C62223-20	N/A	65700	N/A	X	X	X	X	X	X
Torque Links (Upper & Lower)	C59562-2	N/A	65700	N/A	X	X	X	X	X	X
	C59562-3	N/A	65700	N/A			X	X	X	X
	C59562-4	N/A	65700	N/A	X	X	X	X	X	X
	C59562-20	N/A	65700	N/A	X	X	X	X	X	X
Torque link medium pin	C62041-1	N/A	65700	N/A	X	X	X	X	X	X
	C62041-15	N/A	65700	N/A	X	X	X	X	X	X
	C62041-20	N/A	65700	N/A	X	X	X	X	X	X
	C62041-200	N/A	65700	N/A	X	X	X	X	X	X
	D53431	N/A	65700	N/A	X	X	X	X	X	X
	D53431-20	N/A	65700	N/A	X	X	X	X	X	X
Torque link medium pin nut	SL40110P	N/A	(3)	N/A	X	X	X	X	X	X
<b>SHOCK ABSORBER ASSEMBLY</b>										
<b>(1) Limitation applicable to WV01 &amp; WV03 only.</b> <b>(2) Limitation applicable to WV 00 only.</b> <b>(3) Limitation applicable to WV 06 only.</b> <b>(4) Part must be replaced by a new one every time it is removed from the sliding rod.</b> <b>(5) Part must be replaced by a new one every time it is removed from the upper rod.</b>										
Upper cam dowel	C62270	N/A	(4)	N/A	X	X	X	X	X	X
Upper cam	C62034-1	N/A	65700	N/A	X	X	X	X	X	X
	C62034-10	N/A	65700	N/A	X	X	X	X	X	X
	C68534	N/A	65700	N/A	X	X	X	X	X	X
Lower cam	C62035	N/A	65700	N/A	X	X	X	X	X	X
	C62035-1	N/A	65700	N/A	X	X	X	X	X	X
	C68532	N/A	65700	N/A	X	X	X	X	X	X



Part Name	Part Number	SAFE LIFE LIMITS (*)			Affected Model(s)					
		FH	LDG	Cal	B2-1A B2-1C	B2K-3C B2-20x	B2-320	B4-2C B4-1xx	B4-2xx	C4-203 F4-203
Restrictor	C62036	N/A	65700	N/A					X (3)	X (3)
	C62036-1	N/A	65700	N/A	X	X (1)				
	C62036-2	N/A	65700	N/A		X (2)				
	C62036-10	N/A	65700	N/A	X	X (1)				
	C67863	N/A	65700	N/A	X	X (1)				
	C67863-1	N/A	65700	N/A	X	X (1)	X	X	X	X
	C67863-2	N/A	65700	N/A	X	X	X	X	X	X
	C67863-3	N/A	65700	N/A	X	X (1)				
	C67863-4	N/A	65700	N/A	X	X	X	X	X	X
	C67863-5	N/A	65700	N/A	X	X (1)				
	C67863-10	N/A	65700	N/A	X	X (1)	X	X	X	X
	C67863-20	N/A	65700	N/A	X	X	X	X	X	X
	C67863-30	N/A	65700	N/A	X	X (1)				
	C67863-40	N/A	65700	N/A	X	X	X	X	X	X
	D68536	N/A	65700	N/A	X	X	X	X	X	X
Lower cam dowel	C62866	N/A	(5)	N/A	X	X	X	X	X	X
Nut (S/A/Barrel)	C64040	N/A	(5)	N/A					X (3)	X (3)
	C64040-1	N/A	(5)	N/A	X	X	X	X	X	X

