EASA AD No.: 2011-0122-E

EASA

EMERGENCY AIRWORTHINESS DIRECTIVE



AD No.: 2011-0122-E

Date: 29 June 2011

Note: This Emergency Airworthiness Directive (AD) 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

This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].

-	C 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].		
Type Approval Holder's Name :		Type/Model designation(s):	
AIRBUS		A330 and A340-200/-300 aeroplanes	
TCDS Number :	EASA.A.004, EASA.A.015		
Foreign AD :	Not applicable		
Supersedure :	None		
ATA 32	Landing Gear – Main L	anding Gear (MLG) Bogie Beam – Life Limit	
Manufacturer(s):	Airbus (formerly Airbus Inc	dustrie)	
Applicability:		models -301, -321, -322, -341 and -342, all ers if equipped with MLG Bogie Beam Part Number 01272305.	
		models -211, -212, -213, -311, -312 and -313, all ers if equipped with MLG Bogie Beam P/N 2305.	
Reason:	During ground load test cy beam prematurely fracture	rcles on an A340-600 aeroplane, the MLG bogie ed.	
	to high tensile standing sti	ation identified that this premature fracture was due ress, resulting from dry fit axle assembly method. roduced subsequently with a grease fit axle	
	determined that MLG bog more likely to suffer from s	n other bogie beam with dry fit axles. It has been to be beams P/N 201272300 and P/N 201272305 are standing stress generated by dry-fit axles because ffer between the axle sockets. These two P/Ns are 0 aeroplanes.	
		vice life is included in the Airworthiness Limitation e Life Airworthiness Limitation Item.	
	aeroplane departing the ru	beam under high speed could ultimately result in the unway, or in the bogie detaching from the aeroplane, buld cause structural damage to the aeroplane and	

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	injury to the occupants.		
	For the reasons described above, this Emergency AD requires reduction of the existing MLG bogie beam life limits and replacement of each MLG bogie beam that has already exceeded the new limit.		
Effective Date:	01 July 2011		
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously:		
	(1) Within the compliance specified in (a) or (b) indicated below, whichever occurs later, replace the MLG bogie beam with a serviceable part:		
	(a) Before the accumulation of the Flight Hours (FH) or Landings (LDG), whichever occurs first, defined in Table 1 of this AD, as applicable to aeroplane type and model,		
	Table 1 - MLG bogie peam life limit		
	Affected From MLG bogie beam first installation on aeroplanes an aeroplane		
	A340-300 models 12 300 LDG or 86 350 FH		
	A340-200 models 13 600 LDG or 95 800 FH		
	A330-301/-321/- 322/ -341/-342 models		
	341/ 342 Model3		
	(b) Within 6 months after the effective date of this AD without exceeding the FH or LDG, whichever occurs first, defined in Table 2 of this AD, as applicable to aeroplane type and model. Table 2 MLG bogie beam FH or LDG not to be exceeded Affected From MLG bogie beam first installation on		
	aeroplanes an aeroplane A340-300 models 16 250 LDG or 100 000 FH		
	A340-300 models 18 000 LDG or 100 000 FH A340-200 models 18 000 LDG or 100 000 FH		
	A330-301/-321/- 322/ -341/-342 models 25 400 LDG or 38 100 FH		
	(2) At each replacement of the MLG bogie beam as required by paragraph (1) of this AD with MLG bogie beam having a P/N identified in the applicability section of this AD, before reaching the life limit defined in Table 1 of this AD since its first installation on an aeroplane, replace the MLG bogie beam with a serviceable part.		
	(3) After the effective date of this AD, do not install MLG bogie beam P/N 201272300 or P/N 201272305 on an aeroplane, unless its life has not exceeded the limit defined in Table 1 of this AD.		
	Note 1: The reduced MLG bogie beam life limits are expected to be incorporated within the subsequent revision of the A330/A340 ALS Part 1.		
	Note 2: MLG Bogie beam having reached its life limit is considered as unserviceable part, except for the provisions of Table 2 of this AD.		
	Note 3: In case of installation of a Safe Life Airworthiness Limitation Item (SL ALI) on aeroplane models having different airworthiness limitations, refer to paragraph 6 of ALS Part 1 sub-part 1-0 to assess the applicable airworthiness limitations.		

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Ref. Publications:	Airbus A330 ALS Part 1 revision 05, approved on 29 July 2010; Airbus A340 ALS Part 1 revision 05, approved on 29 July 2010.	
Remarks:	If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.	
	 The safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 	
	 Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 	
	 For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EAL; E-mail: airworthiness.A330-A340@airbus.com. 	

