

EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	<p>PAD No.: 12-042</p> <p>Date: 14 May 2012</p> <p>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.</p>
<p>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.</p>	
Design Approval Holder's Name: AIRBUS	Type/Model designation(s): A380 aeroplanes
TCDS Number : EASA.A.110	
Foreign AD : Not applicable	
Supersedure : This AD supersedes EASA AD 2011-0166 dated 01 September 2011.	
ATA 55	Doors – Main Wing Landing Gear Door (MWLGD) Rear Hinge Fitting – Inspection / Replacement
Manufacturer(s):	Airbus
Applicability:	Airbus A380-841, A380-842, and A380-861 aeroplanes, all manufacturer serial numbers.
Reason:	<p>One operator reported the Right Hand (RH) Auxiliary Wing Landing Gear Door (AWLGD) missing after landing. Further inspection revealed structural damages on the MWLGD rear hinge to which the AWLGD is attached.</p> <p>This condition, if not detected and corrected, could lead to an in-flight loss of an AWLGD, possibly resulting in injuries to persons on the ground.</p> <p>To address that potential unsafe condition, EASA issued AD 2011-0166 to require repetitive inspections of both RH and Left Hand (LH) MWLGD rear hinge fittings for cracks and, depending on findings, replacement of the rear hinge fittings with reinforced rear hinge fittings, which was terminating action for the repetitive inspections.</p> <p>Since that AD was issued, fatigue analysis of reinforced MWLGD rear hinge fittings has been completed and demonstrated the need of repetitive inspection requirement.</p> <p>For the reasons described above, this AD retains the requirements of EASA AD 2011-0166, which is superseded, requires inspections of reinforced MWLGD rear hinge fittings and refers to Airbus SB A380-52-8039 (previously Airbus Technical Disposition TD-FX-L-DAOR-2182/2011) to introduce reinforced MWLGD rear hinge fittings.</p>

Effective Date:	[TBD: 14 days after final AD issue date]
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless already accomplished:</p> <ol style="list-style-type: none"> (1) Within the initial and repetitive compliance times indicated in Appendix 1 of this AD, as applicable to MWLGD rear hinge fitting configuration, accomplish a High Frequency Eddy Current (HFEC) inspection of the MWLGD rear hinge fittings in accordance with the instructions of Airbus Service Bulletin (SB) A380-52A8040 Revision 01. (2) If, during any inspection as required by paragraph (1) of this AD, any discrepancy is found, before next flight, apply the corrective actions, as applicable to MWLGD rear hinge fitting configuration, indicated in Appendix 1 of this AD. (3) Inspections, accomplished before the effective date of this AD on MWLGD rear hinge fittings in configuration A, as defined in Appendix 1 of this AD, in accordance with the instructions of Airbus All Operator Telex (AOT) A380-52A8040, are acceptable to comply with the initial and/or repetitive inspections as required by paragraph (1) of this AD. After the effective date of this AD, the instructions of Airbus SB A380-52-8040 revision 01 must be used. (4) From the effective date of this AD, do not install on an aeroplane a MWLGD rear hinge fitting having a Part Number (P/N) as listed in Appendix 2, unless in compliance with the requirements of this AD. <p>Note: The MWLGD rear hinge fittings upper assemblies P/N, on which the hinges are known to be installed, are listed in Appendix 3 of this AD.</p>
Ref. Publications:	<p>Airbus All Operator Telex A380-52A8040 at original issue dated 12 May 2011.</p> <p>Airbus Technical Disposition TD-FX-L-DAOR-2182/2011 dated 12 May 2011.</p> <p>Airbus SB A380-52-8039 at original issue dated 17 January 2012.</p> <p>Airbus SB A380-52A8040 revision 1 dated 01 February 2012.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
Remarks :	<ol style="list-style-type: none"> 1. This Proposed AD will be closed for consultation on 11 June 2012. 2. Enquiries regarding this PAD should be referred to the Safety Information Section, Executive 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 SAS - EIANA (Airworthiness Office), Telephone: +33 562110253 ; Fax:+33 562 110 307. E-mail: account.airworth-A380@airbus.com and/or Nicolas.Cordeau@airbus.com and/or Sandra.Cuiec@airbus.com.

Appendix 1 – Compliance Time(s) and Corrective Action(s)

MWLGD rear hinge fitting configuration	Initial HFEC Inspection Compliance Time	Repetitive Interval (not to exceed)	Action, in case discrepancies are found
Configuration A: For MWLGD rear hinge fitting NOT modified in production in accordance with Airbus modification 69177 and NOT modified in service in accordance with Airbus SB A380-52-8039 or Airbus Technical Disposition TD-FX-L-DAOR-2182/2011	Before the accumulation of 700 flight cycles (FC) after MWLGD first installation on an aeroplane, or within 50 FC after 15 September 2011 [the effective date of EASA AD 2011-0166], whichever occurs later	60 FC	Modify the affected rear hinge fitting(s) in accordance with the instructions of SB A380-52-8039
Configuration B: For MWLGD rear hinge fitting modified in production in accordance with Airbus modification 69177 or modified in service in accordance with Airbus SB A380-52-8039 or Airbus Technical Disposition TD-FX-L-DAOR-2182/2011	Before the accumulation of 10 500 FC after aeroplane first flight, or after accomplishment of SB A380-52-8039 or Technical Disposition TD-FX-L-DAOR-2182/2011, as applicable	1 900 FC	Contact Airbus to obtain approved instructions for corrective action and accomplish those instructions accordingly

Appendix 2: List of RH and LH MWLGD rear hinge fitting Part Numbers (P/N),
affected by this AD:

L5288123120000
L5288123120100
L5288123120200
L5288123120300

Appendix 3: List of known upper assemblies P/N on which the RH and LH MWLGD rear hinge fittings,
affected by this AD, are installed:

List of Rear hinge fitting assembly P/N:
L5288123000000
L5288123000100
L5288123000200
L5288123000300
L5288123000600
L5288123000700
L5288123000800
L5288123000900

List of MWLGD assembly P/N:	
L5288110200200	L5288110201595
L5288110200300	L5288110201600
L5288110200400	L5288110201700
L5288110200495	L5288110201800
L5288110200500	L5288110201900
L5288110200595	L5288110202000
L5288110200800	L5288110202100
L5288110200900	L5288110202200
L5288110201000	L5288110202300
L5288110201095	
L5288110201100	
L5288110201195	
L5288110201200	
L5288110201295	
L5288110201300	
L5288110201395	
L5288110201400	
L5288110201495	
L5288110201500	