


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2011-0166</p> <p>Date: 01 September 2011</p> <p>Note: This 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</p>	
<p>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 Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive 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].</p>		
<p>Type Approval Holder's Name :</p> <p>AIRBUS</p>	<p>Type/Model designation(s) :</p> <p>A380 aeroplanes</p>	
<p>TCDS Number: EASA.A.110</p>		
<p>Foreign AD: Not applicable</p>		
<p>Supersedure: None</p>		
<p>ATA 52</p>	<p>Doors – Main Wing Landing Gear Door (MWLGD) Rear Hinge Fitting – Inspection / Replacement</p>	
<p>Manufacturer(s):</p>	<p>Airbus</p>	
<p>Applicability:</p>	<p>Airbus A380 aeroplanes, -841, -842 and -861 models, all manufacturer serial numbers, except aeroplanes on which Airbus modifications 69177 or 71722 have been embodied in production on Right-Hand (RH) and Left-Hand (LH) MWLDG.</p>	
<p>Reason:</p>	<p>One operator reported the 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, potentially resulting in injuries to persons on the ground.</p> <p>For the reasons described above, this AD requires repetitive inspections of the rear hinge fittings of MWLGD for cracks and, depending on findings, replacement of the rear hinge fittings with reinforced rear hinge fittings.</p>	
<p>Effective Date:</p>	<p>15 September 2011</p>	
<p>Required action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Before the accumulation of 700 Flight Cycles (FC) after MWLGD first installation on an aeroplane, or within 50 FC after the effective date of this AD, whichever occurs later, accomplish a High Frequency Eddy Current (HFEC) inspection of both RH and LH MWLGD rear</p>	

	<p>hinge fittings, in accordance with the instructions of Airbus All Operator Telex (AOT) A380-52A8040.</p> <p><u>Note 1:</u> The MWLGD rear hinge fittings Part Numbers (P/N) and upper assemblies P/N on which the hinges are installed are listed in Appendix 1 of this AD.</p> <p>(2) Thereafter, at intervals not to exceed 60 FC, repeat the inspection as required by paragraph (1) of this AD.</p> <p>(3) If, during an inspection as required by paragraphs (1) or (2) of this AD, any crack is found, before next flight, replace the affected rear hinge fitting(s) with <u>reinforced</u> MWLGD rear hinge fitting(s) in accordance with the instructions of Airbus AOT A380-52A8040.</p> <p>(4) Replacement of an MWLGD rear hinge fitting as required by paragraph (3) of this AD with a <u>reinforced</u> MWLGD rear hinge fitting in accordance with the instructions of Airbus AOT A380-52A8040, does constitute terminating action for the inspection requirements of paragraphs (1) and (2) of this AD for that MWLGD rear hinge fitting.</p> <p><u>Note 2:</u> Further mandatory inspections are foreseen on reinforced MWLGD rear hinge fittings.</p> <p>(5) After the effective date of this AD, do not install on an aeroplane a MWLGD rear hinge fitting having a P/N as listed in Appendix 1 of this AD, unless in compliance with the requirements of this AD.</p>
Ref. Publications:	<p>Airbus All Operator Telex A380-52A8040 at original issue dated 12 May 2011.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS - EANA (Airworthiness Office), Phone: +33 562110253 ; Fax: +33 562 110 307. E-mail: account.airworth-A380@airbus.com and Nicolas.Cordeau@airbus.com.

Appendix 1:

List of RH and LH MWLGD rear hinge fittings P/N affected by this AD:
L5288123120000 and L5288123120100.

List of 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 and L5288123000300.

- List of MWLGD P/N:

L5288110200200, L5288110200300, L5288110200400, L5288110200500, L5288110200800,
L5288110200900, L5288110201000, L5288110201100, L5288110201200, L5288110201300,
L5288110201400 and L5288110201500.

SUPERSEDED