

EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2014-0171</p> <p>Date: 18 July 2014</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 EU 748/2012, Part 21.A.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].</p>	
<p>Design Approval Holder's Name: AIRBUS</p>	<p>Type/Model designation(s): A380 aeroplanes</p>
TCDS Number:	EASA.A.110
Foreign AD:	Not applicable
Supersedure:	None
ATA 52	Doors – Body Landing Gear Centre Door Hinge Fitting – Inspection
Manufacturer(s):	Airbus
Applicability:	Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers.
Reason:	<p>During a scheduled routine maintenance check on an A380 Right Hand (RH) Body Landing Gear (BLG) Centre Door, one of the two forward (FWD) hinge fitting lugs was found sheared and separated from the fitting. Based on the laboratory analysis, it has been determined that the fracture mechanism was associated with fatigue phenomenon.</p> <p>This condition, if not detected and corrected, could lead to reduced structural integrity of the BLG Centre Door hinge fitting, possibly resulting in in-flight loss of a BLG Centre Door and consequent injury to persons on the ground.</p> <p>To address this unsafe condition, Airbus issued Service Bulletin (SB) A380-52-8076 to provide accomplishment instructions for repetitive inspections of the affected fitting. Additionally, Airbus developed production modification (mod) 74853 to reinforce the BLG Centre Door hinge fittings.</p> <p>For the reasons described above, this AD requires repetitive High Frequency Eddy Current (HFEC) inspections of the RH and Left Hand (LH) BLG Centre Door FWD hinge fitting lugs and, depending on findings, accomplishment of applicable corrective action(s).</p> <p>Airbus is expected to publish SB A380-52-8070, making reinforcement of the BLG Centre Door hinge fittings (equivalent to production mod 74853) available for in service aeroplanes as optional terminating action for the repetitive HFEC inspections required by this AD. When that SB becomes available, this AD is expected to be revised accordingly.</p>

Effective Date:	01 August 2014						
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within the compliance time defined in Table 1 of this AD, and, thereafter, at intervals not to exceed 670 flight cycles (FC), accomplish a HFEC inspection of the RH and LH BLG Centre Door FWD hinge fitting lugs in accordance with the instructions of Airbus SB A380-52-8076.</p> <p style="text-align: center;">Table 1 – Initial Inspection</p> <table border="1"> <thead> <tr> <th colspan="2">Compliance Time (whichever occurs later, A or B)</th></tr> </thead> <tbody> <tr> <td>A</td><td>Before exceeding 2 400 FC accumulated by the BLG Centre Door since its first installation on an aeroplane</td></tr> <tr> <td>B</td><td>Within 175 FC after the effective date of this AD</td></tr> </tbody> </table> <p>(2) If, during any inspection as required by paragraph (1) of this AD, a crack with a length less than or equal to 5 mm is detected, before next flight, accomplish the corrective action specified in paragraph (2.1) or (2.2) of this AD:</p> <p>(2.1) Contact Airbus for approved repair or replacement instructions, and within the compliance time specified in those instructions, accomplish the repair or replacement accordingly, or</p> <p>(2.2) Replace the affected BLG Centre Door FWD hinge fitting with a serviceable part in accordance with the instructions of Airbus SB A380-52-8076.</p> <p>(3) If, during any inspection as required by paragraph (1) of this AD, a crack with a length of more than 5 mm is detected, before next flight, replace the affected BLG Centre Door FWD hinge fitting with a serviceable part in accordance with the instructions of Airbus SB A380-52-8076.</p> <p>(4) An aeroplane on which Airbus mod 74853 has been embodied in production is not affected by the requirements of this AD, provided it has been determined that, since aeroplane first flight, no BLG Centre Door FWD hinge fitting having a P/N L52882430-00200 or P/N L52882430-00300 or P/N L52882430-00400 or P/N L52882430-00500 or P/N L52882430-00600 or P/N L52882430-00700 or P/N L52882430-00800 or P/N L52882430-00900 has been installed on that aeroplane.</p> <p>(5) Inspections and corrective actions accomplished before the effective date of this AD in accordance with Airbus Technical Disposition (TD) TD_G1_S4_05971_2014 at Issue A are acceptable to comply with the requirements of paragraphs (1), (2) and (3) of this AD. After the effective date of this AD, the repetitive inspections must be accomplished in accordance with the instructions of Airbus SB A380-52-8076.</p> <p>(6) Replacement of a BLG Centre Door FWD hinge fitting on an aeroplane, as required by paragraph (2.2) or (3) of this AD, as applicable, does not constitute terminating action for the repetitive inspections as required by paragraph (1) of this AD for that aeroplane.</p>	Compliance Time (whichever occurs later, A or B)		A	Before exceeding 2 400 FC accumulated by the BLG Centre Door since its first installation on an aeroplane	B	Within 175 FC after the effective date of this AD
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Ref. Publications :	<p>Airbus SB A380-52-8076 original issue, dated 03 July 2014.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p> <p>Airbus TD TD_G1_S4_05971_2014 Issue A, dated 20 January 2014.</p>						
Remarks:	<p>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</p>						

	<ol style="list-style-type: none">2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until 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 – EIANA (Airworthiness Office), E-mail: account.airworth-A380@airbus.com
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