


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2015-0208</b></p> <p><b>Date: 15 October 2015</b></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 EU 1321/2014 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 [EU 1321/2014 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><b>Design Approval Holder's Name:</b> AIRBUS</p>	<p><b>Type/Model designation(s):</b> A380 aeroplanes</p>	
<p>TCDS Number: EASA.A.110</p>		
<p>Foreign AD: Not applicable</p>		
<p>Supersedure: This AD supersedes EASA AD 2014-0171R1 dated 26 January 2015.</p>		
<b>ATA 52</b>	<b>Doors – Body Landing Gear Centre Door Hinge Fitting – Inspection</b>	
<p>Manufacturer(s): Airbus</p>		
<p>Applicability: Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers.</p>		
<p>Reason:</p>	<p>During a scheduled routine maintenance check on an A380 Right Hand (RH) Body Landing Gear (BLG) Centre Door, one of the two forward hinge fitting lugs was found sheared and separated from the fitting. Based on the laboratory analysis, it was 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 instructions to inspect the affected fittings and lugs. Additionally, Airbus developed production modification (mod) 74853 to reinforce the BLG Centre Door hinge fittings.</p> <p>Consequently, EASA issued AD 2014-0171 (later revised) to require repetitive High Frequency Eddy Current (HFEC) inspections of the RH and Left Hand (LH) BLG Centre Door Forward (FWD) hinge fitting lugs and, depending on findings, accomplishment of applicable corrective action(s).</p> <p>EASA issued AD 2014-0171R1 to introduce Airbus SB A380-52-8070 (equivalent to production mod 74853) as an optional terminating action for the repetitive HFEC inspections required by that AD and to clarify which BLG</p>	

	<p>Centre Doors were, and which were not, affected by the requirements of that AD.</p> <p>Since AD 2014-0171R1 was issued, Airbus revised SB A380-52-8076 to clarify the compliance time and specified flight hours (FH) equivalent to originally introduced flight cycle (FC) values.</p> <p>For the reasons described above, this AD retains the requirements of EASA AD 2014-0171R1, which is superseded, and introduces different compliance times. This AD also introduces a list of serial numbers (S/N) for pre-mod 74853 outer and centre BLG Doors.</p>						
Effective Date:	29 October 2015						
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p><u>Note 1:</u> For the purpose of this AD, an affected BLG Centre Door has FWD hinge fittings installed having Part Number (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.</p> <p><u>Note 2:</u> A BLG Centre Door, originally fitted on an aeroplane having Airbus mod 74853 embodied, or on an aeroplane which was modified in service in accordance with Airbus SB A380-52-8070, is not affected by the requirements of this AD.</p> <p><u>Note 3:</u> A list of S/N for the affected pre-mod 74853 outer and centre BLG Doors is provided in Appendix 1 of this AD.</p> <p>(1) Within the compliance time defined in Table 1 of this AD, and, thereafter, at intervals not to exceed 670 FC or 6 700 FH, whichever occurs first, 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" data-bbox="550 1220 1404 1456"> <thead> <tr> <th colspan="2" style="text-align: center;"><b>Compliance time (whichever occurs later, A or B)</b></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>A</b></td> <td>Before exceeding 2 400 FC or 24 000 FH accumulated by the BLG Centre Door, whichever occurs first, since its first installation on an aeroplane.</td> </tr> <tr> <td style="text-align: center;"><b>B</b></td> <td>Within 175 FC or 1 750 FH, whichever occurs first 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 a 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</p>	<b>Compliance time (whichever occurs later, A or B)</b>		<b>A</b>	Before exceeding 2 400 FC or 24 000 FH accumulated by the BLG Centre Door, whichever occurs first, since its first installation on an aeroplane.	<b>B</b>	Within 175 FC or 1 750 FH, whichever occurs first after the effective date of this AD.
<b>Compliance time (whichever occurs later, A or B)</b>							
<b>A</b>	Before exceeding 2 400 FC or 24 000 FH accumulated by the BLG Centre Door, whichever occurs first, since its first installation on an aeroplane.						
<b>B</b>	Within 175 FC or 1 750 FH, whichever occurs first after the effective date of this AD.						

	<p>been determined that, since the aeroplane first flight, no affected BLG Centre Door (see Notes 1 and 3 of this AD, as well as Appendix 1) has been installed on that aeroplane.</p> <p>(5) Inspections and corrective actions on an aeroplane, accomplished before 01 August 2014 [the effective date of the original issue of EASA AD 2014-0171] in accordance with Airbus Technical Disposition (TD) TD_G1_S4_05971_2014 at Issue A, are acceptable to comply with requirements of paragraphs (1), (2) and (3) of this AD for that aeroplane. After 01 August 2014 [the effective date of the original issue of EASA AD 2014-0171], 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> <p>(7) Modification of an aeroplane in accordance with the instructions of Airbus SB A380-52-8070 constitutes terminating action for the repetitive HFEC inspections as required by paragraph (1) of this AD for that aeroplane, provided that, after modification, no affected BLG Centre Door (see Notes 1 and 3 of this AD, as well as Appendix 1) is installed on that aeroplane.</p>
Ref. Publications:	<p>Airbus SB A380-52-8076 original issue, dated 03 July 2014, or Revision 01, dated 30 June 2015.</p> <p>Airbus SB A380-52-8070 original issue, dated 05 November 2014.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p> <p>Airbus Technical Disposition TD TD_G1_S4_05971_2014 Issue A, dated 20 January 2014.</p>
Remarks:	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>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.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS - EIANA (Airworthiness Office), Telephone : +33 562 110 253; Fax: +33 562 110 307 E-mail: <a href="mailto:account.airworth-A380@airbus.com">account.airworth-A380@airbus.com</a>.</li> </ol>

## Appendix 1: S/N for the pre-mod 74853 outer and centre BLG Doors

CC1013	CC1040	CG1007	SKC1080	SKC1107	SKC1134
CC1014	CC1041	CG1008	SKC1081	SKC1108	SKC1135
CC1015	CC1042	CG1009	SKC1082	SKC1109	SKC1136
CC1016	CC1043	CG1010	SKC1083	SKC1110	SKC1137
CC1017	CC1044	CG1011	SKC1084	SKC1111	SKC1138
CC1018	CC1045	CG1012	SKC1085	SKC1112	SKC1139
CC1019	CC1046	SKC1059	SKC1086	SKC1113	SKC1140
CC1020	CC1047	SKC1060	SKC1087	SKC1114	SKC1141
CC1021	CC1048	SKC1061	SKC1088	SKC1115	SKC1142
CC1022	CC1049	SKC1062	SKC1089	SKC1116	SKC1143
CC1023	CC1050	SKC1063	SKC1090	SKC1117	SKC1144
CC1024	CC1051	SKC1064	SKC1091	SKC1118	SKC1145
CC1025	CC1052	SKC1065	SKC1092	SKC1119	SKC1146
CC1026	CC1053	SKC1066	SKC1093	SKC1120	SKC1147
CC1027	CC1054	SKC1067	SKC1094	SKC1121	SKC1148
CC1028	CC1055	SKC1068	SKC1095	SKC1122	SKC1149
CC1029	CC1056	SKC1069	SKC1096	SKC1123	SKC1150
CC1030	CC1057	SKC1070	SKC1097	SKC1124	SKC1151
CC1031	CC1058	SKC1071	SKC1098	SKC1125	SKC1152
CC1032	CC9003	SKC1072	SKC1099	SKC1126	SKC1153
CC1033	CC9004	SKC1073	SKC1100	SKC1127	SKC1154
CC1034	CC9007	SKC1074	SKC1101	SKC1128	SKC1155
CC1035	CC9089	SKC1075	SKC1102	SKC1129	SKC1156
CC1036	CG1003	SKC1076	SKC1103	SKC1130	SKC1157
CC1037	CG1004	SKC1077	SKC1104	SKC1131	SKC1158
CC1038	CG1005	SKC1078	SKC1105	SKC1132	SKC9001
CC1039	CG1006	SKC1079	SKC1106	SKC1133	SKC9114