

<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2013-0056</b></p> <p><b>Date: 08 March 2013</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 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>	
<b>Design Approval Holder's Name:</b> AIRBUS	<b>Type/Model designation(s):</b> A380 aeroplanes
<b>TCDS Number:</b>	EASA.A.110
<b>Foreign AD:</b>	Not applicable
<b>Supersedure:</b>	None
<b>ATA 53</b>	<b>Fuselage – Belly Fairing / Rivets Installation – Inspection / Modification</b>
<b>Manufacturer(s):</b>	Airbus
<b>Applicability:</b>	Airbus A380-841, A380-842, and A380-861 aeroplanes, manufacturer serial numbers 0003, 0005 to 0008 inclusive, 0010 to 0017 inclusive, 0019 to 0023 inclusive, 0025 to 0027 inclusive, 0029, 0033, 0034, 0040 and 0045.
<b>Reason:</b>	<p>During a production quality review, interference and incorrect edge margin distances were found between fasteners on Central Belly Fairing Frame (FR) 56 joint to Stringer (STGR) 1. Subsequent investigation identified aeroplanes which might be potentially affected by deviation of rivet installation distance from acceptable design values.</p> <p>This condition, if not detected and corrected, could lead to the in-flight loss of some Belly Fairing panels, possibly resulting in injury to persons on the ground.</p> <p>To address this potentially unsafe condition, Airbus issued Service Bulletin (SB) A380-53-8045 and SB A380-53-8046, providing instructions to detect and modify any incorrect rivet installations.</p> <p>For the reasons described above, this AD requires a one-time Detailed Visual Inspection (DVI) of affected short edge distances to detect any incorrectly installed rivets at FR56 STGR1 and, depending on findings, modification of the affected Belly Fairing structure.</p>
<b>Effective Date:</b>	22 March 2013

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) Within 3 204 flight cycles (FC) since the aeroplane first flight, accomplish a DVI of the rivets installed at STGR1 / FR56 and measure the short edge distance (A) in accordance with the instructions of Airbus SB A380-53-8045.</li> </ol> <p><b>Note:</b> For the purpose of this AD, distances (A), (B) and (C) are defined in Airbus SB A380-53-8045.</p> <ol style="list-style-type: none"> <li>(2) If distance (A), measured as required by paragraph (1) of this AD, is more than 28 mm (1.10 in.), before next flight, modify the Belly Fairing assembly at STGR1 / FR56 in accordance with the instructions of Airbus SB A380-53-8046.</li> <li>(3) If, distance (A), measured as required by paragraph (1) of this AD, is equal to or less than 28 mm (1.10 in.), before next flight, measure the distances (B) and (C) in accordance with the instructions of Airbus SB A380-53-8045.</li> <li>(4) If, any of distances (B) or (C), measured as required by paragraph (3) of this AD, is less than 11 mm (0.43 in.), before next flight, modify the Belly Fairing assembly at STGR1 / FR56 in accordance with the instructions of Airbus SB A380-53-8046. If the distances (B) and (C) are more than or equal to 11 mm (0.43 in.), no further action is required.</li> </ol>
<p>Ref. Publications:</p>	<p>Airbus SB A380-53-8045 at Original Issue, dated 16 January 2012, Airbus SB A380-53-8046 at Original Issue, dated 19 October 2012 or Revision 1, dated 22 February 2013.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks:</p>	<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. This AD was posted on 18 January 2013 as PAD 13-011 for consultation until 15 February 2013. The Comment Response Document can be found at <a href="http://ad.easa.europa.eu">http://ad.easa.europa.eu</a>.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive 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), E-mail: <a href="mailto:account.airworth-A380@airbus.com">account.airworth-A380@airbus.com</a>.</li> </ol>