

EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2013-0233</p> <p>Date: 26 September 2013</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>
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].	
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 2013-0024 dated 07 February 2013.
ATA 53	Fuselage – Belly Fairing Structure – Inspection / Repair
Manufacturer(s):	Airbus
Applicability:	Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers.
Reason:	<p>During scheduled maintenance checks accomplished by Airbus A380 operators, multiple corrosion spots were identified on belly fairing supports between frames (FR)35 and FR40 and between FR72 and FR76. Subsequent investigation results revealed that the corrosion of these frame areas was due to a lack of connection between drainage lines and belly fairing funnels, which caused water to flow into the affected frame zones.</p> <p>This condition, if not detected and corrected, could lead to uncontrolled corrosion development, possibly resulting in in-flight loss of belly fairing panels, and consequent injury to persons on the ground.</p> <p>To address this unsafe condition, EASA issued AD 2013-0024 to require repetitive Detailed Inspections (DET) of belly fairing structure between FR35 and FR40 and between FR72 and FR76, and depending on findings, corrective action.</p> <p>Since that AD was issued, Airbus issued Airbus Service Bulletin (SB) A380-53-8057 to provide instructions for corrosion protection of in-service aeroplanes, embodied in production through Airbus modification 73133, and identified an extended scope of belly fairing access panel part numbers (P/N) vulnerable to corrosion.</p> <p>For the reasons described above, this AD retains the requirements of EASA AD 2013-0024, which is superseded, but adds certain belly fairing access panels,</p>

	<p>identified by P/N in Appendix 1 of this AD, which are also subject to the repetitive DET required by this AD.</p> <p>This AD also introduces an optional terminating action for the repetitive DET required by this AD.</p>
Effective Date:	10 October 2013
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Initially within 24 months since the aeroplane first flight, or within 6 months after 21 February 2013 [the effective date of EASA AD 2013-0024], whichever occurs later, and thereafter, at intervals not to exceed 24 months, accomplish a DET of the belly fairing structure between FR35 and FR40 and between FR72 and FR76 in accordance with the instructions of Airbus SB A380-53-8056. (2) If, during any inspection as required by paragraph (1) of this AD, corrosion is found, before next flight, contact Airbus for approved repair instructions and accomplish those instructions accordingly. (3) Inspections and corrective actions, accomplished before 21 February 2013 [the effective date of EASA AD 2013-0024] in accordance with A380 Maintenance Planning Document (MPD) task 533500-00501-01, are acceptable to comply with the initial requirements of paragraph (1) of this AD. After 21 February 2013 [the effective date of the EASA AD 2013-0024], repetitive inspections and corrective actions must be accomplished in accordance with the instructions of Airbus SB A380-53-8056. (4) Modification of an aeroplane in accordance with the instructions of Airbus SB A380-53-8057 after the initial DET as required by paragraph (1) of this AD and accomplishment of next scheduled DET, as required by paragraph (1) of this AD, constitute terminating action for the repetitive DET as required by paragraph (1) of this AD. (5) Modification of an aeroplane in accordance with the instructions of Airbus SB A380-53-8057, provided this is accomplished before or concurrently with the initial DET, as required by paragraph (1) of this AD, constitutes terminating action for the repetitive DET as required by paragraph (1) of this AD. (6) Aeroplanes, on which Airbus mod 73133 has been embodied in production, are not affected by the requirements of paragraph (1) of this AD, unless a belly fairing access panel, as identified in Appendix 1 of this AD, has been installed on that aeroplane. Following installation of such a panel, the aeroplane must be repetitively inspected and, depending on findings, corrected as required by paragraphs (1) and (2) of this AD. (7) After modification of an aeroplane in accordance with the instructions of Airbus SB A380-53-8057, installation on that aeroplane of a belly fairing access panel, as identified in Appendix 1 of this AD, is allowed, provided that, following installation of such a panel, the aeroplane is repetitively inspected and, depending on findings, corrected as required by paragraphs (1) and (2) of this AD.
Ref. Publications:	<p>Airbus SB A380-53-8056 original issue dated 11 December 2012.</p> <p>Airbus SB A380-53-8057 original issue dated 18 April 2013.</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. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.

	<ol style="list-style-type: none">2. This AD was posted on 02 September 2013 as PAD 13-132R1 for consultation 16 September 2013. No comments were received during the consultation period.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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Appendix 1 – Affected Belly Fairing Access Panel part numbers (P/N) (pre-MOD 73133 or pre SB A380-53-8057)

Belly Fairing Access Panel Reference	P/N
191BB	L5338178300000
	L5338172200200
	L5338172200400
	L5338178200200
	L5338178200400
192BB	L5338178700000
	L5338178600400
	L5338178600600
199AB	L5338577300200
	L5338572200400
	L5338572200600
	L5338572200800
	L5338577200400
	L5338577200600
	L5338577200800
199HB	L5338579700200
	L5338579600400
	L5338579600600
	L5338572400400
	L5338572400600
	L5338572401000
	L5338572401200
199FB	L5338577500000
	L5338577400400
	L5338577400600
199BB	L5338579500000
	L5338579400200
	L5338579400400