

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2012-0165 Date: 31 August 2012 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.
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 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:	None
ATA 52	Doors – Main Deck Doors Sensor Target Brackets – Replacement
Manufacturer(s):	Airbus
Applicability:	Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers, on which Airbus Modification (mod.) 66278 has been embodied in production.
Reason:	On A380 aeroplanes, two S6/S7 sensor target brackets are installed at the main deck doors M1, M2, M4 and M5 to supply a near/far signal of the emergency escape slide armed lever position. Generated signals are involved in the escape slide inflation logic. The results of a recent design review have revealed the possibility of damaging the S6/S7 sensor target brackets by tightening the locking screws. This condition, if not corrected, could lead to the functional loss of the main deck emergency exit doors, possibly preventing the passengers and the flight crew from safely evacuating the aeroplane during an emergency. To address this potential unsafe condition, Airbus issued Service Bulletin (SB) A380-52-8044 providing instructions to install reinforced sensor brackets to avoid cracks during bracket screw tightening. For the reasons described above, this AD requires replacement of the affected S6/S7 sensor target brackets with a new design of reinforced brackets.
Effective Date:	14 September 2012

Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 12 months after the effective date of this AD, replace each S6/S7 sensor target bracket having Part Number (P/N) L5217681700000 at the left-hand (LH) and right-hand (RH) main deck doors M1, M2, M4 and M5 with a serviceable part in accordance with the instructions of Airbus SB A380-52-8044. (2) Aeroplanes on which Airbus mod 72026 has been embodied in production are not affected by the requirements of paragraph (1) of this AD, provided that, since aeroplane first flight, no S6/S7 sensor target bracket having P/N L5217681700000 has been installed on the LH or RH main deck doors M1, M2, M4 and M5 of that aeroplane. (3) After modification of an aeroplane as required by paragraph (1) of this AD, do not install a S6/S7 sensor target bracket having P/N L5217681700000 on the LH or RH main deck doors M1, M2, M4 and M5 of that aeroplane.
Ref. Publications:	Airbus Service Bulletin A380-52-8044 original issue dated 12 July 2012. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.
Remarks:	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 30 July 2012 as PAD 12-092 for consultation until 27 August 2012. 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), Telephone : +33 562 110 253 ; Fax: +33 562 110 307 E-mail: account.airworth-A380@airbus.com and nabil.tahiri@airbus.com and sandra.cuiec@airbus.com.