

EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2006 - 0322</p> <p>Date: 18 October 2006</p>
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.	
Type Approval Holder's Name : AIRBUS SAS	Type/Model designation(s) : A330 and A340-200/-300 aircraft
TCDS Number : EASA A.004 & EASA A.015	
Foreign AD : none	
Supersedure : none	
ATA 28	Fuel - Fuel tanks – Prevention against fuel explosion risks – Modification / Installation
Manufacturer:	AIRBUS (formerly AIRBUS INDUSTRIE)
Applicability:	<p>AIRBUS A330, A340-200 and A340-300 aircraft, all certified models, all serial numbers.</p> <p>Note : Applicability for each of the actions rendered mandatory is defined in Compliance section of this Airworthiness Directive (AD)</p>
Reason:	<p>Further to the accident which occurred to a Boeing 747-131 (flight TWA800), the FAA published SFAR 88 (Special Federal Aviation Regulation 88).</p> <p>By mail referenced 04/00/02/07/01-L296 of March 4th, 2002 and 04/00/02/07/03-L024 of February 3rd, 2003 the JAA recommended to the National Aviation Authorities (NAA) the application of a similar regulation.</p> <p>The aim of this regulation is to require all holders of type certificates for passenger transport aircraft certified after January 1st, 1958 with a capacity of 30 passengers or more, or a payload of 3,402 kg or more, to carry out a definition review against explosion hazards.</p> <p>Consequently, the following measures are rendered mandatory:</p> <ul style="list-style-type: none"> - replacement of the white P-clips by blue P-clips which are more fuel resistant remove the risks of fuel quantity indicator (FQI) and fuel level sensor system (FLSS) harnesses chafing against the metallic part of the P-clip,

	<ul style="list-style-type: none"> - modification of electrical bonding of equipment installed in fuel tanks in order to re-establish the conformity with the design definition by introducing additional bonding leads, electrical bonding points and electrical bonding of a support bracket for a diffuser assembly installed between Rib 1 and Rib 2 on the stringers of the No.1 bottom skin panel, - modification of bonding points, installation of additional bonding leads and other modifications of the Additional Center Tank (ACT), - modification to increase the distance between metallic parts on the THS Trim Tank, - installation of a bonding lead between the bonding tags on the Jettison valve actuator and drive assembly.
Effective Date:	02 November 2006.
Compliance:	<p>Unless already accomplished, The following actions are rendered mandatory from the effective date of this AD:</p> <p><u>Action n°1 applicable to:</u></p> <p>AIRBUS A330, A340-200 and A340-300 aircraft, all certified models, all serial numbers except for aircraft on which AIRBUS modification No. 47634 has been embodied in production :</p> <p>Not later than December 31st, 2009, perform a detailed visual inspection of the P-clips in the wings and center fuel tanks, and if necessary apply the corrective actions, in accordance with the instructions of Service Bulletin (SB) A330-28-3092 Revision 01 or SB A340-28-4107 Revision 01.</p> <p><u>Action n°2 applicable to:</u></p> <p>AIRBUS A330, A340-200 and A340-300 aircraft, all certified models, all serial numbers except for aircraft on which the four AIRBUS modifications No. 49135 and 49630 and 51825 and 55118 have been embodied in production or modified in-service in accordance with both SB A330-28-3082 and SB A330-28-3101 or both SB A340-28-4097 and SB A340-28-4118:</p> <p>Not later than December 31st, 2009, modify the electrical bonding of equipment installed in fuel tanks in accordance with the instructions of SB A330-28-3082 and SB A330-28-3101 or SB A340-28-4097 and SB A340-28-4118.</p> <p><u>Action n°3 applicable to:</u></p> <p>AIRBUS A340-200 and A340-300 aircraft, all certified models, all serial numbers, which have the AIRBUS modification 42612/SB A340-28-4047 or 44002/SB A340-28-4066 or 44005/SB A340-28-4067 embodied in production/in-service (installation of ACT) except aircraft modified by SB A340-28-4078 in service:</p>

	<p>Not later than December 31st, 2009, modify the electrical bonding in the ACT in accordance with the instructions of SB A340-28-4078.</p> <p>Reminder: It's the responsibility of the operator to ensure that any spare (ACT) that could be installed on the aircraft does not put in to question the compliance of the aircraft with the requirements of this AD.</p> <p>Action n°4 applicable to:</p> <ul style="list-style-type: none"> - AIRBUS A330-300 aircraft, -301, -321, -322, -341, -342 models, all serial numbers except for aircraft on which AIRBUS modification No. 44252 has been embodied in production or modified in-service in accordance with AIRBUS SB A330-55-3016: - AIRBUS A340-200 and A340-300 aircraft, all certified models, all serial numbers, except for aircraft on which AIRBUS modification No. 44252 has been embodied in production or modified in-service in accordance with AIRBUS SB A340-55-4017: <p>Not later than December 31st, 2009, increase the distance between metallic parts on the THS Trim Tank in accordance with the instructions of SB A330-55-3016 or SB A340-55-4017.</p> <p>Action n°5 applicable to:</p> <p>AIRBUS A340-200 and A340-300 aircraft, all certified models, all serial numbers, except for aircraft which have the modification 46142 embodied in production or modified in-service in accordance with AIRBUS SB A340-28-4073.</p> <p>Not later than December 31st, 2009, install a bonding lead between the bonding tags on the Jettison valve actuator and drive assembly in accordance with the instructions of SB A340-28-4073.</p>
Ref. Publications:	<p>AIRBUS Service Bulletin A330-28-3092 Revision 01</p> <p>AIRBUS Service Bulletin A340-28-4107 Revision 01</p> <p>AIRBUS Service Bulletin A330-28-3082</p> <p>AIRBUS Service Bulletin A330-28-3101</p> <p>AIRBUS Service Bulletin A340-28-4097</p> <p>AIRBUS Service Bulletin A340-28-4118</p> <p>AIRBUS Service Bulletin A340-28-4078</p> <p>AIRBUS Service Bulletin A330-55-3016</p> <p>AIRBUS Service Bulletin A340-55-4017</p> <p>AIRBUS Service Bulletin A340-28-4073</p> <p>or later approved revisions.</p>

Remarks :	<ol style="list-style-type: none">1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD.2. This AD was posted as PAD 06-198 for consultation on 7 August 2006 with a comment period until 7 September 2006. The Comment Response Document can be found at http://ad.easa.europa.eu3. Enquiries regarding this Airworthiness Directive should be referred to Mr. M. Capaccio, Airworthiness Directive Focal Point - Certification Directorate, EASA. E-mail: ADs@easa.europa.eu4. For any question concerning the technical content of the requirements in this AD, please contact AIRBUS SAS – Airworthiness Office - EAL Fax: +33 5 61 93 45 80.
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