


<b>EASA</b>	<b>NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE</b>
	<p><b>PAD No.: 10-019</b></p> <p><b>Date: 19 February 2010</b></p> <p>Note: This Proposed Airworthiness Directive (PAD) 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>In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.</p>	
<b>Type Approval Holder's Name :</b>  AIRBUS	<b>Type/Model designation(s) :</b>  A330 and A340 aeroplanes
TCDS Number : EASA.A.004, EASA.A.015	
Foreign AD : Not applicable	
Supersedure : None	
<b>ATA 92</b>	<b>Electric and Electronic Common Installation – Hydraulic Pump Electrical Motor Connectors – Modification</b>
Manufacturer(s):	Airbus (formerly Airbus Industrie)
Applicability:	<p>Airbus A330 aeroplanes, models -201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -341, -342 and -343, all manufacturer serial numbers, except those on which the three Airbus modifications 58773 and 55923S18878 and 45968 have been embodied in production.</p> <p>Airbus A340 aeroplanes, models -211, -212, -213, -311, -312, -313, all manufacturer serial numbers, except those on which the three Airbus modifications 58773 and 55923S18878 and 45968 have been embodied in production.</p> <p>Airbus A340 aeroplanes, models -541, -542, -642 and -643, all manufacturer serial numbers, except those on which the three Airbus modifications 58773 and 55924S19452 and 45968 have been embodied in production.</p>
Reason:	<p>Several A330 and A340 operators have reported in service occurrences of hydraulic pump electrical motor connector internal arcing, resulting in:</p> <ul style="list-style-type: none"> <li>- either false hydraulic system overheat Electronic Centralized Aircraft Monitoring (ECAM) warnings</li> <li>- and / or hydraulic pump electrical motor malfunction.</li> </ul> <p>Investigations have shown that, due to the manufacturing tolerances of the cables and the connectors rear grommet, there is a possible path for fluid ingress, resulting in connector internal arcing and hydraulic system</p>

	<p>malfunction. In addition, as the connectors are located in areas adjacent to fuel tanks, such arcing associated with the presence of a fuel leakage could lead to an uncontrolled fire.</p> <p>In order to protect the hydraulic pump electrical motor connectors against fluid ingress from the rear of the connector grommet and prevent false hydraulic system overheat ECAM warnings and/or hydraulic pump electrical motor malfunction, this AD requires modification of the three hydraulic pump electrical motor connectors associated to the Blue, Yellow and Green hydraulic systems.</p>
Effective Date:	14 days after final AD issue date
Required action(s) and Compliance Time(s):	<p>Required as indicated, unless already accomplished :</p> <p>Within 3 600 flight hours after the effective date of this AD, modify the hydraulic pump electrical motor connectors of the Blue, Yellow and Green Electric Pumps in accordance with the instructions defined in Airbus Service Bulletin (SB) A330-92-3088, or Airbus SB A340-92-4081, or Airbus SB A340-92-5053, as applicable to the aeroplane model.</p>
Ref. Publications:	<p>Airbus Service Bulletin A330-92-3088 at Original issue,  Airbus Service Bulletin A340-92-4081 at Original issue,  Airbus Service Bulletin A340-92-5053 at Original issue.</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"> <li>1. This Proposed AD will be closed for consultation on 19 March 2010.</li> <li>2. Enquiries regarding this PAD should be referred to the Airworthiness Directives, Safety Management &amp; Research Section, Certification Directorate, EASA. E-mail <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>3. For any questions concerning the technical content of the requirements in this PAD, please contact:  AIRBUS SAS – Airworthiness Office - EAL. Fax: +33 5 61 93 45 80.  E-mail: <a href="mailto:airworthiness.A330-A340@airbus.com">airworthiness.A330-A340@airbus.com</a> .</li> </ol>