


<b>EASA</b>	<b>NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE</b>	
	<b>PAD No.: 09-102</b>  <b>Date: 04 September 2009</b>  Note: This proposed 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.	
	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.	
<b>Type Approval Holder's Name :</b> Piaggio Aero Industries S.p.A.		<b>Type/Model designation(s) :</b> P.180 Avanti II aeroplanes
TCDS Number : EASA A.059		
Foreign AD : Not applicable		
Supersedure : None		
<b>ATA 53</b>	<b>Fuselage - "0" Pressure Bulkhead - Inspection / Reinforcement</b>	
Manufacturer(s):	Piaggio Aero Industries S.p.A.	
Applicability:	Model P.180 Avanti II aeroplanes, from serial number 1106 to 1189 inclusive.	
Reason:	<p>Cracks were detected on the upper flange (cap) of several "0" pressure bulkheads in production line; none of the cracks had spread across the thickness of material.</p> <p>Investigation revealed that all "0" pressure bulkheads installed on aircraft from MSN 1106 up to 1189 could have the same cracks.</p> <p>Although calculations are reassuring on the low level of stress in that area, a reinforcement of the "0" pressure bulkhead is suggested by a conservative approach, to avoid that the crack grow and eventually cause a failure of the bulkhead.</p> <p>For the reasons stated above, this new Airworthiness Directive (AD) mandates a non-destructive inspection and a reinforcement - by installation of doublers - of the "0" pressure bulkhead. This AD also includes a reporting requirement of the inspection results.</p>	
Effective Date:	[TBD: 14 days after final AD issue date]	

<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) Before accumulation of 3 600 Total Flight Hours (FH), do a dye-penetrant inspection of the "0" pressure bulkhead for cracks in accordance with Part A of the accomplishment instructions of Piaggio Aero Industries Service Bulletin (SB) No.80-0267 revision 1.</li> <li>(2) Before further flight after accomplishment of paragraph (1) of this AD, install doublers on the "0" pressure bulkhead in accordance with Parts B and C of the accomplishment instructions of Piaggio Aero Industries SB No. 80-0267 revision 1.</li> <li>(3) Within 30 days after accomplishment of paragraph (1) of this AD, report all inspection results, negative or positive to Piaggio Aero Industries. For that purpose, use the contact details as given in the 'Remarks' section of this AD.</li> <li>(4) Actions (dye-penetrant inspection and installation of doublers) done before the effective date of this AD in accordance with the original issue of Piaggio Aero Industries SB No.80-0267 satisfy the requirements of paragraph (1) and (2) of this AD.</li> </ol>
<p>Ref. Publications:</p>	<p>Piaggio Aero Industries Service Bulletin No.80-0267, original issue and revision 1; The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks :</p>	<ol style="list-style-type: none"> <li>1. This Proposed AD will be closed for consultation on 02 October 2009.</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 question concerning the technical content of the requirements in this PAD, please contact:  Piaggio Aero Industries S.p.A - Airworthiness Office  Phone: +39 010 6481353 Fax: +39 010 6481881  Email: <a href="mailto:airworthiness@piaggioaero.it">airworthiness@piaggioaero.it</a> </li> </ol>