

<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2009-0211</b></p> <p><b>Date: 06 October 2009</b></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>
<p>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 Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive 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].</p>	
<p><b>Type Approval Holder's Name :</b></p> <p>Piaggio Aero Industries S.p.A.</p>	<p><b>Type/Model designation(s) :</b></p> <p>P.180 Avanti II aeroplanes</p>
<p>TCDS Number : EASA A.059</p>	
<p>Foreign AD : Not applicable</p>	
<p>Supersedure : None</p>	
<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 have been detected on the upper flange (cap) of several "0" pressure bulkheads on the 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 confirm the low stress level in that area, a reinforcement of the "0" pressure bulkhead is suggested to avoid crack growth and the eventual 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:	20 October 2009

<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. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. This AD was posted on 04 September 2009 as PAD 09-102 for consultation until 02 October 2009. No comments were received during the consultation period.</li> <li>3. Enquiries regarding this AD 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>4. For any question concerning the technical content of the requirements in this AD, 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>