


<b>EASA</b>	<b>NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE</b>	
	<p><b>PAD No.: 09-103</b></p> <p><b>Date: 04 September 2009</b></p> <p>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.</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>		<b>Type/Model designation(s) :</b>
Piaggio Aero Industries S.p.A.		P.180 series aeroplanes.
TCDS Number : EASA A.059		
Foreign AD : Not applicable		
Supersedure : None		
<b>ATA 24</b>		
<b>Electrical Power - Generator Power Cables - Inspection / Repair</b>		
Manufacturer(s):		Piaggio Aero Industries S.p.A.
Applicability:		Model P.180 Avanti and P.180 Avanti II aeroplanes, all serial numbers up to 1180 inclusive.
Reason:		<p>An operator reported a short circuit between a generator power cable and an anti-ice shutoff valve, which was caused by chafing between the cable and the valve; the insulation of the cable and surrounding sleeve were worn off.</p> <p>An investigation revealed that a scarce clearance between the cables and adjacent parts, together with vibrations of generator power cables favoured by insufficient clamping, was the root cause of the damage.</p> <p>If left uncorrected, this situation could lead to short circuits with possible fire and/or loss of important aircraft systems.</p> <p>This Airworthiness Directive (AD) requires an inspection to detect damaged cables/sleeves, and replacement/repair as necessary; in addition, this AD requires to ensure that acceptable minimum clearances between cables and parts exist, and to improve clamping to minimize vibrations of the cables.</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> <p>(1) At the next scheduled 'A' check or within 3 months, whichever occurs first after the effective date of this AD, inspect for minimum clearance and insulation damage the generator power cables in accordance with Part A of the accomplishment instructions of Piaggio Aero Industries Service Bulletin (SB) No.80-0271 original issue.</p> <p>If any discrepancy (inadequate clearance, insulation damage) is found, do all necessary corrective actions in accordance with Part B of the accomplishment instructions of Piaggio Aero Industries SB No.80-0271 original issue.</p>
<p>Ref. Publications:</p>	<p>Piaggio Aero Industries Service Bulletin No.80-0271, original issue;</p> <p>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: <p style="text-align: center;">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></p> </li> </ol>