


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2013-0239</b></p> <p><b>Date: 30 September 2013</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 EU 748/2012, Part 21.A.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 AD applies, except in accordance with the requirements of that AD, 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>Design Approval Holder's Name:</b> Piaggio Aero Industries S.p.A.</p>		<p><b>Type/Model designation(s):</b> P.180 aeroplanes</p>
TCDS Number:	EASA.A.059	
Foreign AD:	Not applicable	
Supersedure:	None	
<b>ATA 27</b>	<b>Flight Controls – Elevator and Horizontal Stabilizer – Inspection</b>	
Manufacturer(s):	Piaggio Aero Industries S.p.A.	
Applicability:	P.180 Avanti and Avanti II aeroplanes, manufacturer serial numbers 1002 and 1004 through 1231 inclusive.	
Reason:	<p>Insufficient clearance between one of the horizontal stabilizer end rib and the corresponding elevator horn was found on an in-service aeroplane.</p> <p>This condition, if not detected and corrected, could lead to interference between the elevator and horizontal stabilizer surfaces, resulting in restricted elevator control and consequent reduced control of the aeroplane.</p> <p>To address this potential unsafe condition, Piaggio Aero Industries (PAI) issued Service Bulletin (SB) 80-0381 to provide inspection instructions.</p> <p>For the reasons described above, this AD requires accomplishment of a one-time measurement of the actual clearance between the elevator horn and the horizontal stabilizer tip rib, and depending on findings, restoration of the required minimum clearance value. This AD also requires reporting of the inspection result to PAI.</p>	
Effective Date:	14 October 2013	

<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) Within 200 flight hours or 12 months after the effective date of this AD, whichever occurs first, measure the clearances between the horns of the elevator and the end ribs of the horizontal stabilizer (HS) on left hand (LH) and right hand (RH) sides in accordance with the Accomplishment Instructions, Part A of PAI SB 80-0381.</li> <li>(2) If, during the measurement as required by paragraph (1) of this AD, the clearance is less than 5 mm on HS LH or RH side, before next flight, rework the affected elevator in order to restore the required minimum clearance between the horn of the elevator and the end rib of the horizontal stabilizer in accordance with the Accomplishment Instructions, Part B of PAI SB 80-0381.</li> <li>(3) Within 30 days after accomplishment of the measurement as required by paragraph (1) of this AD, report the results to PAI in accordance with the Accomplishment Instructions, Part C of PAI SB 80-0381.</li> </ol>
<p>Ref. Publications:</p>	<p>PAI SB 80-0381 original issue, dated 02 May 2013.</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. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. This AD was posted on 21 August 2013 as PAD 13-127 for consultation until 18 September 2013. No comments were received during the consultation period.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive 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          Via Luigi Cibrario, 4 – 16154 Genova – Italy          Telephone: +39010 6481353 ; Fax: +39 010 6481881          E-mail: <a href="mailto:airworthiness@piaggioaero.it">airworthiness@piaggioaero.it</a>.</li> </ol>