

<b>EASA</b>	<b>EMERGENCY AIRWORTHINESS DIRECTIVE</b>	
	<p><b>EAD No : 2007- 0088-E</b></p> <p><b>Date: 30 March 2007</b></p>	
<p>No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.</p>		
<p><b>Type Approval Holder's Name :</b> PIAGGIO AERO INDUSTRIES S.p.A.</p>	<p><b>Type/Model designation(s) :</b> P.180 'Avanti' series</p>	
<p>TCDS Number : EASA.A.059</p>		
<p>Foreign AD : Not applicable</p>		
<p>Supersedure : Not applicable</p>		
<p><b>ATA 32</b></p>	<p><b>Steering system components &amp; Hydraulic fluid Inspection / Replacement</b></p>	
<p>Manufacturer:</p>	<p>Piaggio Aero Industries S.p.A.</p>	
<p>Applicability:</p>	<p>P.180 'Avanti' series aircraft, from serial number (s/n) 1004 up to 1129 inclusive, except s/n 1118 and 1124.</p>	
<p>Reason:</p>	<p>Several aircraft, at the factory, presented some debris in the hydraulic fluid of the steering system. Investigations revealed that some components of the steering system, identifiable by their s/n, can be responsible for the fluid contamination because of an initial pollution on their manufacturing.</p> <p>If not corrected, a contaminated fluid could cause malfunction and a possible jamming of the steering system.</p> <p>This Emergency Airworthiness Directive (AD) aims to identify the possible defective components either in service or on the shelf, introduce if necessary, limitations per a Temporary Change of the Airplane Flight Manual (AFM), test the possible polluted components by means of a hydraulic fluid analysis and to replace the identified defective components.</p>	
<p>Effective Date:</p>	<p>03 April 2007</p>	
<p>Compliance:</p>	<p>1. Within the next 5 flight hours, check for identification the steering actuator and the steering manifold installed on airplane and on the shelves in accordance with the Piaggio Aero Industries S.p.A.</p>	

	<p>Mandatory SB No 80-0236.</p> <p>Note 1: Instead of inspecting the aircraft (A/C), a review of the airplane maintenance records along with any other applicable data (A/C logbook, Components list, etc...) is acceptable if the s/n of the steering actuator and of the manifold can be positively determined from that review.</p> <ol style="list-style-type: none"> <li>2. if any defective steering actuator or manifold, as identified in Annex 7 of SB No 80-0236, is found;       <ol style="list-style-type: none"> <li>2.1. before further flight, insert into the AFM the Temporary Change 3 to the P180 AVANTI report 6591 or Temporary Change 2 to the P180 AVANTI II report 180-MAN-0010-0110</li> <li>2.2. No later than the next scheduled "A" check, analyse the hydraulic fluid as instructed in Annex 8 of the Piaggio Aero Industries S.p.A SB No 80-0236.</li> </ol> </li> <li>3. If an acceptable level of particles is found, remove the relevant Temporary Change from the AFM; no further action is required.</li> <li>4. If an unacceptable level of particles is found, no later than 600 Flight Hours or 12 months after the effective date of this AD, whichever occurs first, remove the defective steering actuator and/or steering manifold and replace them/it with airworthy one(s) as instructed in the accomplishment instructions of the Piaggio Aero Industries S.p.A SB No 80-0236.</li> </ol> <p>Note 2: Until removal of the defective parts, the aircraft shall be operated per the limitations given in the relevant Temporary Change of the AFM.</p> <ol style="list-style-type: none"> <li>5. From the effective date of this AD, and until further notice, no person shall install steering actuator and manifold, as identified in Annex 7 of the Piaggio Aero Industries S.p.A SB No 80-0236 and hold as spare parts, on any Piaggio P180 aircraft.</li> </ol>
<p>Ref. Publications:</p>	<p>Piaggio Aero Industries S.p.A. Mandatory SB No 80-0236 initial issue or later approved revisions.</p> <p>Temporary Change 3 to the P180 AVANTI report 6591</p> <p>Temporary Change 2 to the P180 AVANTI II report 180-MAN-0010-01100</p>
<p>Remarks:</p>	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD.</li> <li>2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification.</li> <li>3. Enquiries regarding this Airworthiness Directive should be referred to the AD Focal Point Certification Directorate, EASA.</li> </ol> <p>E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a></p> <ol style="list-style-type: none"> <li>4. For any questions concerning the technical content of the requirements in this AD, please contact:</li> </ol> <p>Piaggio Aero Industries S.p.A. Airworthiness Office</p> <p>Phone: +39 010 6488990 or fax +39 010 6488403</p> <p>Email: <a href="mailto:GSerpico@piaggioaero.it">GSerpico@piaggioaero.it</a></p>