


EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE	
	PAD No.: 10-034 Date: 22 April 2010 Note: This Proposed Airworthiness Directive (PAD) 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.	
Type Approval Holder's Name : Piaggio Aero Industries S.p.A.		Type/Model designation(s) : P.180 series aeroplanes
TCDS Number : EASA.A.059		
Foreign AD : Not applicable		
Supersedure : None		
ATA 55	Stabilizers – Hinges Fittings – Inspection / Modification / Replacement	
Manufacturer(s):	Piaggio Aero Industries S.p.A.	
Applicability:	Model P.180 Avanti and P.180 Avanti II aeroplanes, serial numbers 1002 and from 1004 up to 1191 inclusive.	
Reason:	<p>Some cases of corrosion were detected in the interface between the elevator hinges fittings (metallic) and the horizontal stabilizer (carbon fibre); investigation identified the cause in galvanic corrosion between dissimilar materials.</p> <p>If left uncorrected, this situation could lead to a structural failure of the elevator, which could result in possible loss of control of the aeroplane.</p> <p>This AD requires:</p> <ol style="list-style-type: none"> (1) inspection of the hinges fittings for corrosion and of the stabilizer for delamination; (2) repair of the stabilizer, if necessary; (3) replacement of the fittings, if corroded; (4) improvement of fittings installation; (5) installation of aluminium strips in the stabilizer to improve bonding, in accordance with Piaggio Aero Industries (PAI) Service Bulletin (SB) 80-0262 Revision 2. 	
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"> (1) Within the next 1 500 Flight Hours (FH) or four years after the effective date of this AD (whichever occurs first) perform the following: <ol style="list-style-type: none"> (1.1) Remove left-hand (LH) and right-hand (RH) elevators and do all inspections and corrective actions in accordance with the Accomplishment Instructions, Parts A, B, C, D and E of PAI SB 80-0262 Revision 2; (1.2) Reinstall LH and RH elevators and do the final checks in accordance with the Accomplishment Instructions, Part F, of PAI SB 80-0262 Revision 2. (2) Inspections and corrective actions already performed, before the effective date of this AD, in accordance with the original issue or Revision 1 of PAI SB 80-0262 are acceptable for compliance with the requirements of this AD.
<p>Ref. Publications:</p>	<p>Piaggio Aero Industries Service Bulletin 80-0262 Revision 2.</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"> 1. This Proposed AD will be closed for consultation on 20 May 2010. 2. Enquiries regarding this PAD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 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; E-mail: airworthiness@piaggioaero.it.