


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2010-0124 [Correction: 22 June 2010]</p> <p>Date: 22 June 2010</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 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>Type Approval Holder's Name :</p> <p>Piaggio Aero Industries S.p.A.</p>	<p>Type/Model designation(s) :</p> <p>P.180 series aeroplanes</p>
<p>TCDS Number : EASA.A.059</p>	
<p>Foreign AD : Not applicable</p>	
<p>Supersedure : None</p>	
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. <p>This Correction is issued to amend the AD number heading: it was PAD, it is AD.</p>

Effective Date:	06 July 2010
Required Action(s) and Compliance Time(s):	<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.
Ref. Publications:	<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>
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 22 April 2010 as PAD 10-034 for consultation until 20 May 2010. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 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; E-mail: airworthiness@piaggioaero.it .