

EASA	EMERGENCY AIRWORTHINESS DIRECTIVE	
	AD No : 2007- 0147-E Date: 22 May 2007	
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.		
Type Approval Holder's Name : PIAGGIO AERO INDUSTRIES S.p.A.		Type/Model designation(s) : P.180 'Avanti' series
TCDS Number : EASA.A.059		
Foreign AD : Not applicable		
Supersedure : EASA AD 2007-0088-E		
ATA 32	Steering system components & Hydraulic fluid Inspection / Rework	
Manufacturer:	Piaggio Aero Industries S.p.A.	
Applicability:	P.180 'Avanti' series aircraft, all serial numbers.	
Reason:	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 can be responsible for the fluid contamination because of an initial pollution on their manufacturing. If not corrected, a contaminated fluid could cause malfunction and a possible jamming of the steering system. The superseded Airworthiness Directive (AD) 2007-0088-E was previously issued to address the unsafe condition. The present Airworthiness Directive expands applicability of this AD to all P.180 'Avanti' series aircraft and the list of defective components as listed in revision 1 of Piaggio Aero Industries Mandatory Service Bulletin No 80-0236. This AD also requires Temporary Changes to the respective Airplane Flight Manual (AFM) and Aircraft Maintenance Manual (AMM) and introduces procedures to recondition defective units.	
Effective Date:	24 May 2007	

Compliance:	1. Within the next 5 Flight Hours (FH) after the effective date of this AD, verify the Part Number (P/N) and Serial Number (S/N) of the steering actuator and the steering manifold installed on airplanes and on the shelves as instructed in paragraph (§) 2 of Piaggio Aero Industries mandatory Service Bulletin (SB) No 80-0236 revision 1 and insert into the AMM Temporary Revision 1 to the P.180 Avanti report 9066 or Temporary Revision 11 to the P.180 Avanti II report 180-MAN-0200-01105. 2. if any suspect steering actuator or manifold, as identified in annex 7 of Piaggio Aero Industries SB No 80-0236 revision 1, is found: 2.1 Before further flight, insert into the AFM Temporary Change 3 to the P180 Avanti report 6591 or Temporary Change 2 to the P180 Avanti II report 180-MAN-0010-01100. 2.2 No later than 600 FH or 12 months after the effective date of this AD, whichever occurs first, remove the Nose Landing Gear (NLG) as instructed in § 2 of Piaggio Aero Industries SB No 80-0236 revision 1 to implement procedures as detailed in Annex 8 of Piaggio Aero Industries SB No 80-0236 revision 1. 2.3 After accomplishment of § 2.2 of this AD, reinstall the NLG as instructed in § 2 of Piaggio Aero Industries SB No 80-0236 revision 1, and remove from the AFM Temporary Change 3 to the P180 Avanti report 6591 or Temporary Change 2 to the P180 Avanti II report 180-MAN-0010-01100. 3. As of the effective date of this AD, no person shall install steering actuators or steering manifolds as identified in Annex 7 of Piaggio Aero Industries SB No 80-0236 revision 1 on any Piaggio P180 aircraft, unless they have been inspected and reworked in accordance with Annex 8 of Piaggio Aero Industries SB No 80-0236 revision 1.
Ref. Publications:	Piaggio Aero Industries SB No 80-0236 revision1 or later approved revisions Temporary Change 3 to the P.180 Avanti report 6591 Temporary Change 2 to the P.180 Avanti II report 180-MAN-0010-01100 Temporary Revision 1 to the P.180 Avanti report 9066 Temporary Revision 11 to the P.180 Avanti II report 180-MAN-0200-01105.
Remarks :	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. 2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification. 3. Enquiries regarding this Airworthiness Directive should be referred to the AD Focal Point Certification Directorate, EASA. E-mail: ADs@easa.europa.eu 4. For any questions concerning the technical content of the requirements in this AD, please contact: Piaggio Aero Industries S.p.A. Airworthiness Office Phone: +39 010 6488990 or fax +39 010 6488403 Email: airworthiness@piaggioaero.it