

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2011-0133 Date: 12 July 2011 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.
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].	
Type Approval Holder's Name : Piaggio Aero Industries S.p.A.	Type/Model designation(s) : P.180 aeroplanes
TCDS Number : EASA.A.059	
Foreign AD : Not applicable	
Supersedure : None	
ATA 32	Landing Gear - Main Landing Gear Actuator – Replacement / Repair
Manufacturer(s):	Piaggio Aero Industries S.p.A.
Applicability:	All P.180 Avanti and Avanti II aeroplanes, all serial numbers.
Reason:	Some lock sleeves (part number (P/N) 114146681), which were installed in some Main Landing Gear (MLG) actuators, had been incorrectly manufactured. If left uncorrected, this condition could lead to failure to lock the MLG actuator or to its unlock from the correct position, with subsequent possible damage to the aeroplane and injuries to occupants during landing. This AD requires replacing defective MLG actuators with serviceable ones. Defective actuators can be repaired by the manufacturer and identified with the "P180-32-29" marking on the name plate.
Effective Date:	26 July 2011
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 25 Flight Hours (FH) after the effective date of this AD, inspect both installed MLG actuators to determine if they have P/N and serial number (S/N) included in Table 1 of this AD:

	Table 1 <table border="1" data-bbox="520 277 1423 624"> <thead> <tr> <th data-bbox="520 277 778 378">Messier-Dowty Part Number</th><th data-bbox="778 277 1423 378">Serial Numbers</th></tr> </thead> <tbody> <tr> <td data-bbox="520 378 778 519">114346003 (left hand side)</td><td data-bbox="778 378 1423 519">SA0706275, SA0706276, SA0706726, SA0706727, SA0706728, SA0706729, SA0706738, SA0706739, SA0707243, SA0707864, SA0708072</td></tr> <tr> <td data-bbox="520 519 778 624">114346004 (right hand side)</td><td data-bbox="778 519 1423 624">SA0703800, SA0703801, SA0705520, SA0706219, SA0706960, SA0706961</td></tr> </tbody> </table> (2) If any actuator with P/N and S/N included in Table 1 of this AD is identified with the "P180-32-29" marking on the name plate, no further action is required by this AD on that actuator. (3) If one or both MLG actuators have P/N and S/N included in Table 1 of this AD, and are not identified with the "P180-32-29" marking on the name plate, before the accumulation of 3 000 total Flight Cycles (FC) replace the affected actuators with serviceable parts in accordance with Part B of the Accomplishment Instructions of Piaggio Aero Industries (PAI) Service Bulletin (SB) No. 80-0304. (4) After the effective date of this AD, do not install any MLG actuator having P/N and S/N included in Table 1 of this AD, unless it is identified with the "P180-32-29" marking on the name plate.	Messier-Dowty Part Number	Serial Numbers	114346003 (left hand side)	SA0706275, SA0706276, SA0706726, SA0706727, SA0706728, SA0706729, SA0706738, SA0706739, SA0707243, SA0707864, SA0708072	114346004 (right hand side)	SA0703800, SA0703801, SA0705520, SA0706219, SA0706960, SA0706961
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Ref. Publications:	PAI SB No. 80-0304 dated 09 July 2010. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.						
Remarks:	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 22 February 2011 as PAD 11-024 for consultation until 22 March 2011. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive 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 Via Luigi Cibrario, 4 – 16154 Genova – Italy Telephone: +39010 6481353 ; Fax: +39 010 6481881 E-mail: airworthiness@piaggioaero.it.						