


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<b>AD No.: 2014-0264</b>	
	<b>Date: 09 December 2014</b>	
<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 EU 748/2012, Part 21.A.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>		
<b>Design Approval Holder's Name:</b>		<b>Type/Model designation(s):</b>
ALEXANDER SCHLEICHER GmbH & Co.		ASW 28-18E powered sailplanes
TCDS Number:	EASA A.034	
Foreign AD:	Not applicable	
Supersedure:	None	
<b>ATA 70</b>		
<b>Power Plant – Engine Mounts – Inspection / Replacement</b>		
Manufacturer(s):	Alexander Schleicher GmbH & Co. Segelflugzeugbau (Schleicher)	
Applicability:	ASW 28-18E powered sailplanes, all manufacturer serial numbers.	
Reason:	<p>Cracking of the left hand (LH) and right hand (RH) engine mount (engine bearer) and the associated fuel pump attachment were reported on an ASW 28-18E powered sailplane. Subsequent investigation revealed that the crack initially developed on the horizontal tube of LH or RH engine mount (engine bearer) and, as a result, led to overload and crack of the fuel pump attachment.</p> <p>This condition, if not detected and corrected, could lead to detachment of the power plant in flight, possibly resulting in reduced control of the powered sailplane and/or injury to persons on the ground.</p> <p>To address this unsafe condition, Schleicher issued ASW 28-18E Technical Note (TN) Nr. 15 to provide inspection and replacement instructions.</p> <p>For the reasons described above, this AD requires inspection of the affected engine mount (engine bearer) and the fuel pump attachment and, depending on findings, replacement.</p>	
Effective Date:	23 December 2014	

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) Within 30 days after the effective date of this AD, identify the LH and RH engine mount (engine bearer) in accordance with Schleicher ASW 28-18E TN Nr. 15.</li> <li>(2) If, during the identification, as required by paragraph (1) of this AD, the LH or RH engine mount (engine bearer) is not marked as specified in Schleicher ASW 28-18E TN Nr. 15, or the sailplane is not modified in accordance with the instructions of Schleicher ASW 28-18E TN Nr. 10, within 30 days after the effective date of this AD, concurrently accomplish the actions as specified in paragraphs (2.1), (2.2) and (2.3) of this AD in accordance with the instructions of Schleicher ASW 28-18E TN Nr. 15. <ol style="list-style-type: none"> <li>(2.1) Amend the sailplane flight manual;</li> <li>(2.2) Visually inspect the LH and RH engine mount (engine bearer) for crack in the area of the horizontal tube; and</li> <li>(2.3) Visually inspect the fuel pump attachment for crack.</li> </ol> </li> <li>(3) If, during the inspection as required by paragraph (2.2) of this AD, any crack is detected, before next flight, replace both (LH and RH) engine mounts (engine bearers) with serviceable parts in accordance with the instructions of Schleicher ASW 28-18E TN Nr. 15 or install a placard "DO NOT OPERATE THE ENGINE" above the power plant instrument in accordance with the instructions of Schleicher ASW 28-18E TN Nr. 15.</li> <li>(4) If, during the inspection as required by paragraph (2.3) of this AD, any damage is detected, before next flight, replace the fuel pump attachment with a serviceable part in accordance with the instructions of Schleicher ASW 28-18E TN Nr. 15 or install a placard "DO NOT OPERATE THE ENGINE" above the power plant instrument in accordance with the instructions of Schleicher ASW 28-18E TN Nr. 15.</li> <li>(5) Unless accomplished as specified by paragraphs (3) and (4) of this AD, within 10 months after the effective date of this AD, replace the LH and RH engine mount (engine bearer) and the fuel pump attachment with serviceable parts in accordance with the instructions of Schleicher ASW 28-18E TN Nr. 15.</li> <li>(6) After the replacement of the LH and RH engine mount (engine bearer) and the fuel pump attachment with serviceable parts, as required by paragraphs (3) and (4) or paragraph (5) of this AD, as applicable, the placard as required by paragraph (3) or (4) of this AD and the amendment of the sailplane flight manual, as required paragraph (2.1) of this AD, can be removed.</li> </ol> <p>Note: Actions required by paragraphs (1) and (2) of this AD, installation of placard "DO NOT OPERATE THE ENGINE", as specified by paragraphs (3) and (4) of this AD, removal of placard and flight manual amendment, as specified by paragraph (6) of this AD, can be accomplished by the pilot owner in accordance with provisions of Commission Regulation (EC) 2042/2003 (Part M).</p> <ol style="list-style-type: none"> <li>(7) After modification of the sailplane, as required by paragraphs (3) and (4) or paragraph (5) of this AD, as applicable, do not install LH or RH engine mount (engine bearer) with part number 850.67.0081 or 850.67.0082 without a "X" mark on a powered sailplane.</li> </ol>
<p>Ref. Publications:</p>	<p>Alexander Schleicher ASW 28-18E TN 15, dated 01 September 2014,  Alexander Schleicher ASW 28-18E TN 10, dated 18 February 2009.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>

Remarks:	<ol style="list-style-type: none"><li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li><li>2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.</li><li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li><li>4. For any question concerning the technical content of the requirements in this AD, please contact: Alexander Schleicher GmbH &amp; Co.; Mr. M. Greiner, Germany Telephone: +49 (0) 06658 89-0 Fax: +49 (0) 06658 89-40. E-mail: <a href="mailto:info@alexander-schleicher.de">info@alexander-schleicher.de</a>.</li></ol>
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