

EASA	AIRWORTHINESS DIRECTIVE	
	AD No.: 2012-0197	
	Date: 25 September 2012	
<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 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>		
Design Approval Holder's Name:	SOLO KLEINMOTOREN GmbH	Type/Model designation(s): 2350 C engines
TCDS Number:	Germany Kennblatt Nr. 4603	
Foreign AD:	Not applicable	
Supersedure:	None	
ATA 72	Engine – Propeller Shaft – Inspection / Replacement	
Manufacturer(s):	Solo Kleinmotoren GmbH	
Applicability:	<p>Model 2350 C engines, all serial numbers, if a Part Number (P/N) 20 31 211 propeller shaft is installed.</p> <p>The affected engines are only installed on DG-Flugzeugbau Model DG-1000T powered sailplanes.</p>	
Reason:	<p>Two reports have been received of a broken P/N 20 31 211 propeller shaft on a Solo 2350 C engine. The results of the investigation showed that the failures were due to a material defect, most likely caused by a manufacturing error.</p> <p>This condition, if not detected and corrected, could lead to failure of the shaft and detachment of the propeller from the aeroplane, which, depending on the flight conditions, could result in reduced control of the aeroplane, or injury to persons on the ground.</p> <p>For the reasons described above, this AD requires a one-time inspection (magnetic particle or dye penetrant) of the affected propeller shafts to detect cracks and, depending on findings, replacement of the propeller pulley assembly (module) with a serviceable module.</p>	
Effective Date:	09 October 2012	

<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 25 flight hours or 6 months, whichever occurs first after the effective date of this AD, remove the complete propeller pulley assembly from the engine and inspect the transition region of the P/N 20 31 211 shaft in accordance with the instructions of Solo Kleinmotoren GmbH Technische Mitteilung (TM) / Service Bulletin (SB) Nr. 4603-13. (2) If, during the inspection as required by paragraph (1) of this AD, cracks are detected, before release to service of the engine, replace the propeller pulley assembly (module) with a serviceable module. (3) Within 30 days after removal of a propeller pulley assembly (module) from an engine, as required by paragraph (2) of this AD, send the removed module to Solo Kleinmotoren for investigation.
<p>Ref. Publications:</p>	<p>Solo Kleinmotoren GmbH TM/SB Nr. 4603-13 dated 17 August 2012.</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. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. Based on the required actions and the compliance time, EASA have decided to issue of a Final AD with Request for Comments, postponing the public consultation process until after publication. 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: Solo Kleinmotoren GmbH, Postfach 60 01 52, D 71050 Sindelfingen, Germany, Telephone: +49 07031-301-0, Fax: +49 07031-301-136, E-mail aircraft@solo-germany.com.