



Airworthiness Directive

AD No.: 2020-0056

Issued: 13 March 2020

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

SOLO KLEINMOTOREN GmbH

Type/Model designation(s):

Solo 2625 02 engines

Effective Date: 27 March 2020

TCDS Number(s): EASA.E.218

Foreign AD: Not applicable

Supersedure: None

ATA 73 – Engine Fuel & Control – Engine Control Unit – Software Update

Manufacturer(s):

SOLO Kleinmotoren GmbH

Applicability:

SOLO 2625 02 engines, variation 02i with electronic fuel injection, all serial numbers (s/n).

These engines are known to be installed on, but not limited to, Binder Motorenbau, DG-Flugzeugbau and Schempp-Hirth powered sailplanes.

Definitions:

For the purpose of this AD, the following definitions apply:

The SB: SOLO Kleinmotoren GmbH Technische Mitteilung/Service Bulletin (TM/SB) 4600-11.

Affected SW: Engine control unit (ECU) software (SW) version V517 Revision 7 (R7) and earlier.

Serviceable SW: ECU software version V517R8 or later approved SW.

Groups: Group 1 engines are those that have an ECU with affected SW installed.

Group 2 engines are those that have an ECU with serviceable SW installed.



Reason:

An error was found in the ECU affected SW that can cause brief injection of fuel into one cylinder when the ECU is activated.

This condition, if not corrected, could increase the time needed to (re)start the engine in flight, possibly resulting in reduced control of the powered sailplane.

To address this potential unsafe condition, SOLO Kleinmotoren GmbH, together with the ECU manufacturer, developed an ECU SW update and issued the SB accordingly, providing installation instructions.

For the reason described above, this AD requires an update of the ECU software.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

SW Update:

- (1) For Group 1 engines: Within 3 months after the effective date of this AD, update the ECU software in accordance with the instructions of the SB.

Parts Installation:

- (2) From the effective date of this AD, do not install affected SW on any ECU, or an ECU with affected SW on any engine or powered sailplane.

Ref. Publications:

SOLO Kleinmotoren GmbH TM/SB 4600-11 original issue dated 19 August 2019.

The use of later approved revisions of the above-mentioned 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. 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.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: Solo Kleinmotoren GmbH, Postfach 600152, 71050 Sindelfingen, Germany. Telephone: +49 703 1301-0, Fax: +49 703 1301-136, E-mail: aircraft@solo-germany.com.

