



Airworthiness Directive

AD No.: 2016-0259

Issued: 21 December 2016

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, 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 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 (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

DG-FLUGZEUGBAU GmbH

Type/Model designation(s):

DG 500, DG 800 and DG Single Seaters powered sailplanes

Effective Date: 04 January 2017

TCDS Number(s): EASA.A.067, EASA.A.233, EASA.A.239

Foreign AD: Not applicable

Supersedure: None

ATA 28 – Fuel – Fuel Hoses – Inspection / Replacement

Manufacturer(s):

DG-Flugzeugbau GmbH (previously Glaser-Dirks Flugzeugbau GmbH)

Applicability:

DG-500 M, DG-500 MB, DG-800 A, DG-800 LA, DG-800 B, DG-400 and DG-600 M powered sailplanes, all serial numbers.

Reason:

During service and annual inspection, DG found that some fuel hoses with textile fabric covering, installed from the beginning of the year 2015, had become weak or untight with time. The suspected root cause for this premature degradation is a manufacturing defect of a certain batch of fuel hoses.

This condition, if not detected and corrected, may lead to kinking of the fuel hoses, possibly resulting in a reduced fuel supply and consequent partial or total loss of available power.

To address this unsafe condition, DG-Flugzeugbau published Technical Note TN 800-44, 500-10, DG-SS-02 providing inspection and replacement instructions.



For the reason described above, this AD requires inspection and replacement of the affected fuel hoses.

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

Required as indicated, unless accomplished previously:

- (1) Within 30 days after the effective date of this AD, inspect all textile covered fuel hoses located in the fuselage installed after 01 January 2015 in accordance with the instructions of DG Flugzeugbau TN 800-44, 500-10, DG-SS-02.
- (2) If, during any inspection as required by paragraph (1) of this AD, any kinking or wet fabric covering is found, within 14 days, replace all fuel hoses with serviceable hoses (without textile covering) in accordance with the instructions of DG Flugzeugbau TN 800-44, 500-10, DG-SS-02.

Ref. Publications:

DG Flugzeugbau TN 800-44, 500-10, DG-SS-02 original issue dated 09 November 2016.

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. 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 Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. For any question concerning the technical content of the requirements in this AD, please contact: DG-Flugzeugbau GmbH, Otto-Lilienthal Weg 2, D-76646 Bruchsal, Germany, Tel.: +49 (0)7251 302 0140, E-mail: dirks@dg-flugzeugbau.de.

