



Airworthiness Directive

AD No.: 2021-0070

Issued: 11 March 2021

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:

M&D FLUGZEUGBAU GmbH & Co. KG

Type/Model designation(s):

JS-MD 1C sailplanes

Effective Date: 18 March 2021

TCDS Number(s): EASA.A.616

Foreign AD: Not applicable

Supersedure: None

ATA 27 – Flight Controls – Airbrake Blade No. 3 – Inspection

Manufacturer(s):

M&D Flugzeugbau GmbH & Co. KG

Applicability:

JS-MD 1C sailplanes, all manufacturer serial numbers.

Definitions:

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

Affected part: Airbrake Blade No. 3 (bottom blade).

The SB: M&D Flugzeugbau GmbH & Co. KG Mandatory Service Bulletin (SB) SB-MD01-004 Revision 1.

Reason:

Occurrences were reported of interference between the affected part and the edge of the airbrake cap recess during rapid airbrake extension. Subsequent investigation determined that insufficient space existed between the moving parts and wing structure, which caused the interference.

This condition, if not corrected, could lead to blockage of the airbrakes, possibly resulting in reduced control of the sailplane.



To address this potential unsafe condition, M&D Flugzeugbau GmbH & Co. KG issued the SB to provide instructions for inspection and corrective action(s).

For the reasons described above, this AD requires a one-time inspection of the affected part, measurement of the affected dimensions and, depending on finding(s), corrective action(s).

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) Within 30 days after the effective date of this AD, inspect each affected part and measure the dimensions in accordance with the instructions of steps 1, 2 and 3 of Appendix 1 of the SB.

Corrective Action(s):

- (2) If, during the inspection and measurement(s) as required by paragraph (1) of this AD, any discrepancy is detected, as defined in the SB, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of the SB.

Credit:

- (3) Inspection, measurement and, depending on findings, corrective action on a sailplane, accomplished before the effective date of this AD in accordance with the instructions of the M&D Flugzeugbau GmbH SB-MD01-004 at original issue, are acceptable to comply with the requirements of paragraphs (1) and (2) of this AD for that sailplane.

Ref. Publications:

M&D Flugzeugbau GmbH & Co. KG SB-MD01-004 original issue dated 30 September 2020 and Revision 1 dated 10 March 2021.

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 Safety 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](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be



installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.

5. For any question concerning the technical content of the requirements in this AD, please contact: M&D Flugzeugbau GmbH & Co.KG, Streeker Str. 5b, D-26446 Friedeburg, Germany, Telephone: +49 4465 97878 0, Fax: +49 4465 97878 99, Website: www.md-flugzeugbau.de, E-mail: info@md-flugzeugbau.de.

