

Recommended Service Bulletin SB-MD10-009

1 Technical Details

1.A Category

Recommended

1.B Subject

Air Sense Probes Dimension Inspection

1.C Affected

Type: JS-MD Single
Model: JS-MD 3
S/N: 3.MD087 – 3.MD108 (with jet system installed)

1.D Reason

The structural integrity of the probe base parts as well as the sealing interface between the probe and probe receptacle in the tailplane is under suspicion. The concern was raised when the manufacturing tolerances for these two parts were scrutinized.

1.E Time of Compliance

It is recommended that this Service Bulletin be completed at the next scheduled maintenance period or phase inspection, or sooner if deemed necessary by the owner.

1.F Reference

None.

1.G Mass and CG

Not affected.

1.H Actions

Using the vernier calliper measure the following dimensions, see attached DWG in Appendix 1

- 1) Outer Diameter of the Pitot Static Probe Base where the small o-ring seats. This dimension should be 3.55 ± 0.05 mm.
- 2) Outer Diameter of the Pitot Static Probe Base where the big o-ring seats. This dimension should be $5.65 - 0.05$ mm.
- 3) Outer Diameter of the Total Energy Probe Base where the o-ring seats. This dimension should be $5.65 - 0.05$ mm.

If your probes do not conform to the dimensions as specified above, please inform M&D Flugzeugbau GmbH & Co.KG.

1.I Interchangeability and Mixability of Parts

None.

1.J Approval

The technical content of this document is approved under the authority of DOA ref. EASA.21J.603.

1.K Appendices

Appendix 1 - Air Sense Probe Base Drawings

2 Planning Information

2.A Material

None.

2.B Special Tools

- Vernier Calliper Measuring Tool

3 Remarks

3.A Remarks

The inspection can be performed by pilot-owner according to European Union Commission Regulation (EU) 1321/2014. The Pilot-owner must inform the approved continuing airworthiness management organisation responsible for the continuing airworthiness of the aircraft (if applicable) not later than 30 days

In countries outside the scope of EU 1321/2014 the corresponding national rules shall apply.

Only original spare parts may be used. Parts (other than standard parts) and material kits may only be installed if an EASA Form 1 is issued for these products. For standard parts the invoice from M&D Flugzeugbau is valid as a certificate of conformity.

Parts can be obtained from

M&D Flugzeugbau GmbH & Co. KG
 Streeker Straße 5B
 26446 / Friedeburg
 Phone: +49 44 65 97878 0 / Fax: +49 44 65 97878 99
 E-Mail: info@md-flugzeugbau.de

Please indicate S/N and operating time of your aircraft in your inquiry.

4 Approval Signatures

Remark: With the signature the **HOA** confirms that the technical content of the Service Bulletin has been checked and the change described is approved.

(Head of Office of Airworthiness)	Approved by HOA
Initial Issue	

Appendix 1 - Air Sense Probe Base Drawings

