

# Mandatory Service Bulletin

SB-MD11- 004

Revision 01

## 1 Technical Details

### 1.A Category

Mandatory

### 1.B Subject

Motor Bolts Torque Specifications – Ensure RES electric motor bolts are fastened according to specifications

### 1.C Affected

Motor bolts torque specifications

Type: JS-MD Single

Model: JS-MD 3 RES

Serial Numbers Affected: from S/N 3.MD185 up to S/N 3.MD209

### 1.D Reason

After the delivery at annual inspection, concerns with some JS-MD 3 RES propulsion systems were identified related to the fastening methods of the EMRAX 208 motor attachment to the RES pylon.

The EMRAX 208 motor is securely fastened to the RES pylon using six M8 bolts, each tightened to a torque of 20Nm. To ensure the long-term integrity of the attachment, medium strength liquid thread locker (Loctite 243 or equivalent) is applied to the threads of the M8 fasteners. However, it has been observed that certain delivered gliders failed to conform to the specified technical requirements. Quality procedures in production have been adapted to prevent similar events for later delivered gliders.

### 1.E Time of Compliance

This service bulletin is to be implemented at the next annual inspection or within the next 10 operation hours of the RES system, whichever comes first.

### 1.F References

/1/ MD11-WOI-71-004-R00 JS-MD 3 RES Motor Bolt Torque Specification

/2/ MD11-AMM-00-001 JS-MD 3 RES Aircraft Maintenance Manual

/3/ MD11-AMM-00-002 JS-MD 3 RES Aircraft Maintenance Manual Supplement

### 1.G Mass and CG

Not affected.

## 1.H Actions

The rectification procedure is aimed at ensuring the EMRAX 208 motor is permanently securely fastened to meet the specified requirements. These procedures are outlined in the work instructions given in reference /1/.

Once the action is accomplished, no other inspection is required other than the normal scheduled maintenance in accordance with the AMM.

## 1.I Interchangeability and Mixability of Parts

N/A

## 1.J Approval

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

## 1.K Appendices

None.

## 2 Planning Information

### 2.A Material

- Medium-strength liquid thread locker (Loctite 243 or equivalent)
- Acetone or other solvent suitable for removing dried thread locker
- Inspection paint (torque-seal) marking pen (Bäder, Dykem, Permatex, or similar)
- Small ties (tie-wraps)

### 2.B Special Tools

Only standard tools are required. See reference /1/.

## 3 Remarks

The replacement and release to service by certified staff must only be accomplished by M&D Flugzeugbau GmbH & Co.KG or any authorised maintenance organisation.

Airworthy certification as a powered sailplane must be applied at the corresponding national authority.

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
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