

Recommended Service Bulletin SB-MD11-003

1 Technical Details

1.A Category

Recommended

1.B Subject

SOLO 8000/400 component firmware upgrade.

1.C Affected

Gliders type JS-MD Single, model JS-MD 3 RES with the following SNs are affected:

3.MD xxx:

103,105,110,111,112,116,117,118,119,120,121,124,125,126,127,129,131,134,135,137,141,142,
143,145,147,149,150,155,161,165,166,167,168,170,171,172,173,174,177,178,179,180,183,184,
185,186,187,189,190,191,193,194,195,198

1.D Reason

The manufacturer of the SOLO 8000/400 system released a Service Bulletin (SB-E-237-1), approved by EASA on 8 February 2024. This firmware update reduces warning messages that are not beneficial to the pilot and increases the reliability of HV battery main relay functions.

1.E Time of Compliance

Before next annual inspection.

1.F Reference

- SOLO Service Bulletin SB-E-237-1
- MD11-WOI-76-001 – Work Instruction for SOLO 8000/400 Firmware Updates

1.G Mass and CG

Not affected

1.H Actions

Perform the following actions:

1. Identify the firmware versions currently installed on the propulsion system in the glider.

Use the following procedure to identify the Firmware versions:

- a. Switch ON the RES system in normal operation mode, with both HV batteries installed.
- b. Navigate on the DCU with the command button to the System screen by pushing the command button twice.
- c. Enter "Details", and scroll on the top bar to "Devices"
- d. Note the system serial numbers and firmware versions.

The required (latest approved) firmware versions are listed below:

SYSTEM	Required Firmware version
DCU	V1.0
RFU	V0.04
HV batteries	BMJS131

2. If the installed firmware versions do not conform to the above listed, perform a firmware update on the systems in accordance with MD11-WOI-76-001.

1.I Interchangeability and Mixability of Parts

The firmware versions on all components (DCU, RFU and 2x HV batteries) must be updated to the latest versions.

1.J Approval

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

1.K Appendices

Not applicable

2 Planning Information

2.A Material

Not applicable

2.B Special Tools

The following cables are required:

- SOLO HV battery firmware update cable – available from manufacturer)
- USB-A/B cable (standard off-the shelf part)
- USB-mini-B cable (standard off-the shelf part)

Other required hardware and software tools:

- Windows PC with Vista/7/8/10/11 operating system (standard equipment)
- Firmware software (standard freeware)
 - Flashmagic tool
 - Atmel Flip 3.4.7

3 Remarks

None

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	