

## EVA 2.0 FUSI Lock Active for High Voltage Battery - P1C80FA

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Topic number	LI47.70-P-079341
Version	1
Function group	47.70 - Powertrain energy supply
Date	5/27/25
Validity	295
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Reason for change	

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### Complaint

Vehicle will not start, High Voltage Malfunction error in IC

### Cause

The FUSI (function safety) lock is activated which is causing the vehicle to not operate.

### Remedy

SW resolution implemented with BMS SW versions greater than or equal to 50 (ex. 24/30 50).

An XSF ticket is required to unlock the FUSI restriction.

Open a XSS ticket for FUSI unlock and BMS SW verification.

Provide the D7 user id performing the FUSI unlock procedure via XENTRY in XSS ticket.

Check for BMS SW update after FUSI reset has been performed.

Only open a TIPS case if:

- FUSI reset was not successful or

advised by XSS team

- FUSI lock occurred with BMS SW versions greater than or equal to 50

## Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

<b>Symptoms</b>
Power generation > Engine management > Engine start/stop > Does not start
Overall vehicle > Power supply > High-voltage on-board electrical system > High-voltage battery > Malfunction
Overall vehicle > Power supply > High-voltage on-board electrical system > High-voltage battery > Display message

<b>Control unit/fault code</b>	
Control unit	Fault text
N82/2 - Battery management system (BMS) (BMS40)	P1C80FA - The high-voltage component lockout is active. -

<b>Operation numbers/damage codes</b>				
Op. no.	Operation text	Time	Damage code	Note