

## 48 V battery G1/3 with P0A7F00 - The age limit of the hybrid/high-voltage battery module has been reached

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Topic number      | LI54.10-P-078888                                   |
| Version           | 4                                                  |
| Function group    | 54.10 - Battery, power supply, voltage converter   |
| Date              | 4/24/25                                            |
| Validity          | Model series 177, 118, 247 with equipment code B01 |
| Reason for change | validity                                           |

### Complaint

The check engine light illuminates or the 48 V message is displayed in the instrument cluster

### Cause

Fault code "P0A7F00" stored in the 48 V battery G1/3 and/or is current.

### Remedy

Perform guided test for fault code "P0A7F00".

Important! To ensure a bus idle of 90 minutes is achieved, the vehicle should be locked and the key placed a minimum of 30 feet from the vehicle)

See SI82.85-P-0046A

| Attachments                      |             |
|----------------------------------|-------------|
| File                             | Description |
| <a href="#">si8285p0046a.pdf</a> |             |

| WIS-References  |                                                                                   |      |
|-----------------|-----------------------------------------------------------------------------------|------|
| Document number | Title                                                                             | Note |
| SI82.85-P-0046A | Service Information: Restricting Remote Functions for maintenance and repair work |      |

### 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.

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms                                                                                                                                                          |
| Overall vehicle > Power supply > Battery/On-board electrical system > Battery/on-board electrical system display message > Battery/Alternator - Serviced Required |
| Overall vehicle > Power supply > High-voltage on-board electrical system > High-voltage battery > Display message                                                 |

|                                                                          |                                                                                                   |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Control unit/fault code                                                  |                                                                                                   |
| Control unit                                                             | Fault text                                                                                        |
| G1/3 - 48-V on-board electrical system battery (48 V LIB) (LIB48_177PT4) | P0A7F00 - The state of health limit of the hybrid/high-voltage battery module has been reached. _ |

|                                |                |      |             |      |
|--------------------------------|----------------|------|-------------|------|
| Operation numbers/damage codes |                |      |             |      |
| Op. no.                        | Operation text | Time | Damage code | Note |
|                                |                |      | 540HY       |      |