

## 206/254 12V warning comes on IC

|                   |  |
|-------------------|--|
| Topic number      | LI54.10-P-076823                                 |
| Version           | 1  |
| Function group    | 54.10 - Battery, power supply, voltage converter |
| Date              | 8/15/23  |
| Validity          | MODEL 206<br>MODEL 254                           |
| Reason for change |  |

### Complaint

In the instrument cluster, the symbol for "12 V battery" and the message "Switch on vehicle" may sporadically be displayed.

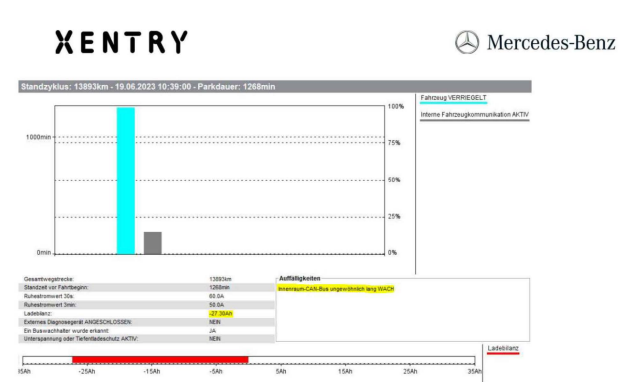
As a consequence of this, the fault codes B1FCB97 (=> N73/3) and U116000 (=> N73/3\*1) are stored in the fault memory.

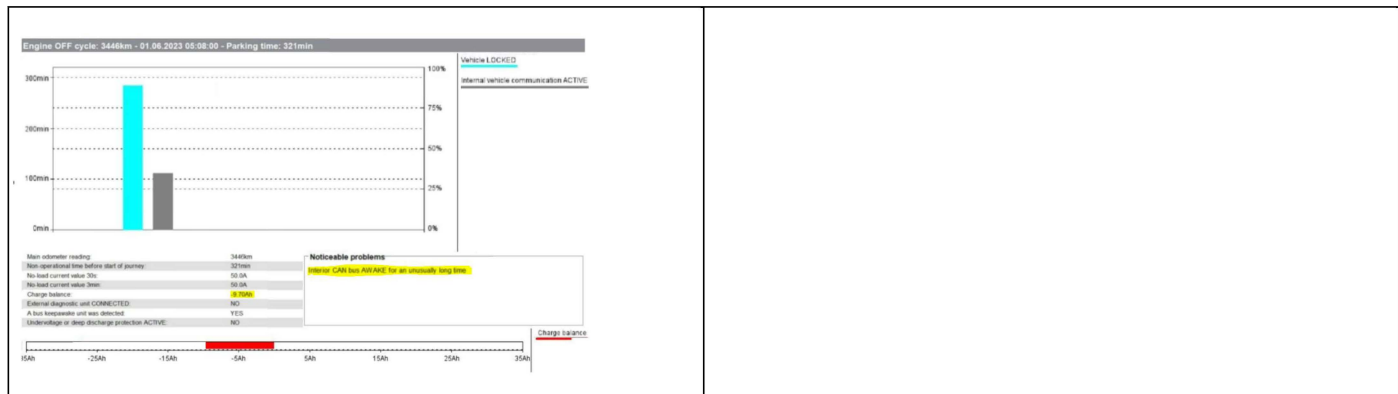
In the subsequent analysis of the 12 V on-board electrical system data, the following parameters are conspicuous (see picture 1 in the attachment):

- Charge balance negative when stationary.
- Interior CAN bus is awake for an unusually long time.
- 12 V battery SOC (state of charge) during subsequent engine start is 45% or less.

#### NOTE:

Once the 12 V battery SOC has exceeded 50% for the first time, the symbol and the message in the instrument cluster disappear again.

| Attachments   |  |
|---|--|
| File  | Description                                    |
| <a href="#">Bild 1_de.JPG</a>   | 12 V on-board electrical system data (German)  |
|  |  |
| <a href="#">Bild 1_en.JPG</a>   | 12 V on-board electrical system data (English) |



## Cause

The door control unit (N69/x) may sporadically keep the interior CAN bus awake.

### NOTE:

Exclusively door control units with the HW item numbers [A2239019917](#) and [A2239010018](#) can be affected.

## Remedy

Open a TIPS case and include the following:

1. Initial Quick Test
2. N73/3 EZS CUL
3. N73/3\*1 EZS CUL
4. Date and time of occurrence

|   |
|---|
| <b>Symptoms</b>   |
| Overall vehicle > Power supply > Battery/On-board electrical system > Battery/on-board electrical system display message > Low voltage Charge battery |

|  |   |
|--|---|
| <b>Control unit/fault code</b>                                     |   |
| Control unit   | Fault text  |
| N73/3 - Electronic ignition lock (EZS) (EZS223)                    | B1FCB97 - The starter battery has a malfunction. The system function is restricted. |
| N73/3*1 - Electronic ignition lock - Central gateway (EZS) (GW223) | U116000 - A bus keepawake unit was detected. _                                      |

| <b>Operation numbers/damage codes</b> |                |      |             |      |
|---------------------------------------|----------------|------|-------------|------|
| Op. no.                               | Operation text | Time | Damage code | Note |
|                                       |                |      | 7222054     |      |
|                                       |                |      | 7223054     |      |
|                                       |                |      | 73A3054     |      |
|                                       |                |      | 73N3054     |      |