

Red message 12V in instrument cluster, W223 hybrid code ME10

Topic number	LI54.10-P-075043
Version	1
Function group	54.10 - Battery, power supply, voltage converter
Date	7/18/22
Validity	Hybrid variant (code ME10) of model series 223
Reason for change	

Complaint

On affected hybrid vehicles of model series 223, a sporadic or continuously displayed red 12V warning message is shown in the instrument cluster.

Cause

Based on the current status of the analyses, 2 different causes may be considered probable:

·Failure of the current limiter module: The fault does not necessarily trigger a fault code. This fault profile is likely in the event of continuous 12V red messages.

·A second cause of the fault is indicated by the saved fault codes P0E32FA in the HV DC/DC converter (N82/2; see XENTRY Diagnosis for fault code) and, in some cases, B161609 in the electronic ignition switch (N73). This fault profile is likely in the event of sporadic 12V red messages.

Remedy

For cause analysis, the quick test for the vehicle should be examined for the presence of either of the two fault codes specified above.

If no DTCs are saved and a continuous 12V red message is shown in the instrument cluster, the current limiter module is likely faulty and the component part must be replaced.

In the event that the fault codes are saved in the DC/DC converter, the guided check must be followed.

Depending on the result of the diagnosis, the work must be invoiced to the SSL of the corresponding component part.

Symptoms

Overall vehicle > Power supply > Battery/On-board electrical system > Battery/on-board electrical system indicator lamp > Battery charge indicator/consumer shutoff > Illuminates red

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
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XENTRY TIPS

A 000 906 02 13			Current limiter module	1		X
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Operation numbers/damage codes					
Op. no.	Operation text		Time	Damage code	Note