

Malfunction Indicator Lamp Lights Up With Fault Code P2E9873 in N116/5 - DC Charge-Connection Unit (DCCU)

Topic number	LI47.70-P-078563
Version	2
Function group	47.70 - Powertrain energy supply
Date	3/13/25
Validity	PHEV variants of 167, 254, 206, 214, 223
Reason for change	Remedy available for model series 167

Complaint

- Engine diagnosis indicator lamp (MIL) lights up.
- Current and saved fault code in DCCU and powertrain control unit (PTCU):

P2E9873 The position sensor of the external socket flap of the vehicle socket (direct current) indicates an electrical fault. The actuator does not open.

- The vehicle starts or charges normally and without any problems.

Cause

Software in the control unit "N116/5 - DC charge-connection unit (DCCU)".

Remedy

For model series 167 (Only for USA):

- Remedy is available:
- Update software for N116/5 (DC charging control unit box) and perform SCN coding of N116/5.
- Once the SCN coding has been updated, the engine diagnosis indicator lamp (MIL) is no longer actuated with this fault code.

For other model series:

- Work on the SW remedy for N116/5 (DC charging control unit box) is in progress.
- Once the software is available, update the software for N116/5 and perform SCN coding of N116/5.
- If this problem occurs, the vehicle start or charging functions are normally not affected; therefore do not replace any parts.
- Replacing parts does not solve this problem.

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

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Symptoms
Power generation > Engine management > Indicator lamp > Engine diagnosis > lit
Overall vehicle > Cleaning system > Cleaning system indicator lamp > Washer fluid level > lit

Control unit/fault code	
Control unit	Fault text
N127 - Control unit "Drivetrain" (PTCU) (CPC3)	P2E9873 - Direct current charge connection unit : The position sensor of the exterior socket flap of the vehicle socket (direct current) has an electrical fault. The actuator does not open.
N116/5 - Direct current charge connection unit (DCCU) (DCB223)	P2E9873 - The position sensor of the exterior socket flap of the vehicle socket (direct current) has an electrical fault. The actuator does not open.

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			540RK	Direct current relay box