

MIL ON with DTC P2E9873 in N116/5 - Direct Current Charge Connection Unit (DCCU)

Topic number	LI47.70-P-078563
Version	1
Function group	47.70 - Powertrain energy supply
Date	11/4/24
Validity	PHEV variants of 167,254,206,214,223
Reason for change	

Complaint

-Check engine light(MIL) is ON.

-Current and stored fault code in DCCU and PTCU :

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

-Starting the vehicle or Charging the vehicle is normal without any issues.

Cause

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

Remedy

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

For this issue, the vehicle starting or charging functions are not typically affected.

Do not replace any parts.

Replacing parts will not bring a solution for this issue.

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

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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.

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	DC-relay box