

254 and MY24 206 - CEL FC P0A7F00 current or stored

Topic number	LI54.10-P-077250
Version	9
Function group	54.10 - Battery, power supply, voltage converter
Date	12/11/24
Validity	254 All
	MY24 206
Reason for change	Fault code

Complaint

Customer states CEL is on.

Cause

Quick test shows FC P0A7F00 The state of health limit of the hybrid/high-voltage battery module has been reached.

No drivability concerns occurred and vehicle drives as normal.

Remedy

Do not replace any parts!!

254:

SW has been released.

Ensure all Add-ons are installed.

Update A66 with the latest SW A 000 903 51 75

MY24 206:

SW has been released.

Ensure all Add-ons are installed.

Update A66 with the latest SW A 000 903 52 75

After SW has been updated, perform the following reset procedure:

Step 1:

XENTRY Tips

Read the State of Health Resistance - (SOH-R)

Step 2:

If SOH-R ≤125%: Clear fault memory in PTCU(N127) and 48V battery (A66). Procedure finished.

If SOH > 125%: Drive for a duration of 60 minutes to retrain the SOH-R value.

Step 3:

Read the State of Health Resistance - (SOH-R)

If SOH-R ≤125%: Clear fault memory in PTCU(N127) and 48V battery (A66). Procedure finished.

If SOH > 125%: Park vehicle in Workshop for >12 hours in warm ambient temperature >60F, afterwards drive for a duration of 60 minutes.

Step 4:

Read the State of Health Resistance - (SOH-R)

If SOH-R ≤125%: Clear fault memory in PTCU(N127) and 48V battery (A66). Procedure finished.

If SOH-R is still >125%, open a TIPS case.

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.

Symptoms				
Power generation > Engine management > Display message > Parameter setting false				
Overall vehicle > Power supply > Battery/On-board electrical system > Battery/on-board electrical system indicator lamp > Battery charge indicator/consumer shutoff > Illuminates red				
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note