



192 206 223 232 254 P3 AMG CEL P0EC400 or P0EC404 "Climate control : Temperature sensor 2 of the refrigerant has a malfunction."

Topic number	LI83.30-P-080935
Version	2
Function group	83.30 - Air conditioning
Date	9/1/26
Validity	192 206 223 254
Reason for change	Remedy update

Complaint

CEL illuminates and/or AC does not blow cold.

Attachments

File	Description
Compressor Figure 1 and Table 1.pdf	

Cause

Potentially relevance to hardware and/or software

Remedy

Scenario 1:



- 1.** If the AC does not blow cold air, replace compressor (if compressor's index and part number Figure 1 match against Table 1).
 - a.** If the compressor does not fall within Table 1, please open a TIPS case.
 - b.** Flush procedure must be followed as per WIS.

Scenario 2:

- 1.** If AC does blow cold.
 - a.** Follow the following procedure:
 - i.** Have the air conditioning system recharged.
 - ii.** Clear the fault codes afterward.
 - iii.** Let the vehicle stand for 8 hours (OBD reset condition).
 - iv.** Check whether the fault is still present.
 - b.** Open TIPS case with your findings and answers the following questions, send to the HV/LV inbox.



- i. When exactly did the MIL appeared (immediately at start-up or while driving).
- ii. What was the ambient temperature, any special driving maneuvers, and whether the vehicle had just come out of a climate-controlled garage.

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

Body > Air conditioning > Air conditioning > Insufficient cooling output

Control unit/fault code

Control unit	Fault text
N127 - Control unit "Drivetrain" (PTCU) / (CPC3)	P0EC404 -
N10/6*1 - Signal acquisition and actuation module - Automatic climate control (SAM) / (HVAC223)	P0EC400 - Temperature sensor 2 of the refrigerant has a malfunction. _