

Check engine light with fault code P300E55 with H12

Topic number	LI14.20-N-079253
Version	2
Function group	14.20 - Exhaust gas recirculation
Date	5/19/25
Validity	Model 907 with OM654 and H12
Reason for change	Remedy Update

Complaint

The check engine light is activated, accompanied by the following fault code related to the Exhaust gas recirculation cooler (low pressure):

- P300E55 The efficiency of component 'Exhaust gas recirculation cooler (low pressure)' is not sufficient.

Cause

The issue is attributed to an error in the coding of the climate control unit software (HVAC177).

Remedy

A software update to correct the coding error is currently in the process of release for the Aftersales network.

In the interim, please proceed as follows:

- Erase the fault memory (DTCs) from the control unit.
- Return the vehicle to the customer.
- No further diagnostic or repair procedures are required at this time.

Production Clean Points:

The following manufacturing plants have implemented the updated coding on the specified dates:

09/20/2024: VS30 – Plant W065, Düsseldorf

10/09/2024: VS30 – Plant W037, Ludwigsfelde & Plant W155, Buenos Aires

10/31/2024: VS30 – Plant W566, Charleston

This LI will be updated following approval and release of the corrective coding for After-sales use.

Additional Notes:

If the vehicle was produced after the plant clean point and has the fault code P300E55 with H12, please open a TIPS case and direct it to the Powertrain inbox, referencing this LI.

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 > Indicator lamp > Engine diagnosis > lit				
Control unit/fault code				
Control unit			Fault text	
N3/40 - Motor electronics 'MRD1' for combustion engine 'OM654' (CDI) (MRD1NFZ)			P300E55 - The efficiency of component 'Exhaust gas re-circulation cooler (low pressure)' is not sufficient.	
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note