

M256.8 Check engine light - P22C800 or P22C900 Valve of the exhaust gas turbocharger is jammed

Topic number	LI09.41-P-078735
Version	2
Function group	09.41 - Charge air pipe/charge air cooling
Date	3/4/25
Validity	Passenger car with M256.8
Reason for change	Fault P22C800 added

Complaint

Check engine light illuminated

Fault code present in MRG3 control unit P22C800 or P22C900 - The valve of the exhaust gas turbocharger is jammed.

Cause

Check valve in charge air pipe jammed.

Remedy

Replaced charge air line with check valve.

WIS-References		
Document number	Title	Note
AR09.41-P-8950*	Remove/install charge air line	

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
Power generation > Engine management > Engine performance > No/poor output
Power generation > Engine management > Boost effect > Malfunction

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A2561411400			Charge air line with check valve	1		X

Control unit/fault code	
Control unit	Fault text
N3/10 - Motor electronics 'MRG3' for combustion engine 'M256M' (ME) (MRG3)	P22C800 - The valve of the turbocharger is jammed open. _
N3/10 - Motor electronics 'MRG3' for combustion engine 'M256M' (ME) (MRG3)	P22C900 - The valve of the exhaust gas turbocharger is jammed closed. _

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note