

Check Engine Light Illuminated - Fault Code
P019185 The rail pressure sensor has a malfunction

Topic number	LI07.70-P-078047
Version	1
Function group	07.70 - Gasoline injection and ignition system direct injection
Date	7/16/24
Validity	Passenger car with M260 and M264 engines up to model year 2023
Reason for change	

Complaint

Check engine light on and fault code P019185 current or stored in MED41 control unit.

Adaptation and misfire faults may also be stored.

Vehicle may enter limp home mode.

Cause

False detection of rail pressure sensor out of range.

Remedy

Update software of engine control module N3/10.

Reset mixture adaptation and clear fault codes.

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 > Engine running > Surges

Power generation > Engine management > Engine running > Runs rough/shakes
Power generation > Engine management > Indicator lamp > Engine diagnosis > lit
Power generation > Engine management > Engine performance > No/poor output

Control unit/fault code	
Control unit	Fault text
N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME) (MED41)	P217800 - The mixture (cylinder bank 1) is too rich in partial load operation. _
	P217700 - The mixture (cylinder bank 1) is too lean in partial load operation. _
	P030485 - Combustion misfiring of cylinder 4 has been detected. There is a signal above the permissible limit value.
	P030385 - Combustion misfiring of cylinder 3 has been detected. There is a signal above the permissible limit value.
	P030285 - Combustion misfiring of cylinder 2 has been detected. There is a signal above the permissible limit value.
	P030185 - Combustion misfiring of cylinder 1 has been detected. There is a signal above the permissible limit value.
	P030085 - Combustion misfiring has been detected. There is a signal above the permissible limit value.
	P218762 - The mixture (cylinder bank 1) is too lean at idle speed. The signal comparison is faulty.
	P017100 - The mixture (cylinder bank 1) is too lean. _
	P019185 - The rail pressure sensor has a malfunction. There is a signal above the permissible limit value.

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