

Check engine light illuminated - Fault code P207273 The throttle valve is blocked due to ice

Topic number	LI07.70-P-078078
Version	1
Function group	07.70 - Gasoline injection and ignition system direct injection
Date	9/16/24
Validity	Passenger car with engines M260 or M264
Reason for change	

Complaint

Check engine light on. Fault code P207273 - "Throttle actuator valve is blocked due to ice" stored.

Engine may crank and not start.

Fault code P210185 may also be stored.

Cause

Moisture freezing on throttle actuator during extreme low ambient temperatures.

Remedy

Update software of engine control module.

Software increases throttle valve flapping after engine turned off to prevent moisture buildup.

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 > Runs rough/shakes
Power generation > Engine management > Indicator lamp > Engine diagnosis > lit
Power generation > Engine management > Engine start/stop > Long starting time

XENTRY Tips

Power generation > Engine management > Engine start/stop > Does not start

Power generation > Engine management > Function > Malfunction

Control unit/fault code

Control unit	Fault text
N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME) (MED41)	P210185 - The throttle valve actuator has a malfunction. There is a signal above the permissible limit value. P207273 - The throttle valve is blocked due to ice. The actuator does not open.

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
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