

Model Year 2024 and Up 167 Vehicles with M177:
Check Engine Light for Various Misfire Codes

Topic number	LI07.10-P-079748
Version	1
Function group	07.10 - Electronic engine control
Date	9/5/25
Validity	Model Year 2024 and up 167 with M177
Reason for change	

Complaint

Customer states CEL is active in instrument cluster, may report rough running.

Cause

Possible ME control unit software

Remedy

On applicable vehicles with complaint above, check for ME software updates and update as available. Afterwards ensure that the mixture adaptations are cleared by viewing the injector performance data in the ME. Perform a sensor rotor adaptation then perform an AMG engine adaptation drive. Afterwards drive the vehicle in "C" with ECO disabled for about 50 miles. This drive needs to be on surface streets (no steady state highway driving). Afterwards let the car go to sleep, then test drive it again and QC. If the complaint is no longer present, release the car to the customer.

If there is no software update available OR if the complaint reoccurs, process the car via LI07.61-P-070707.

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
N3/10 - Motor electronics 'MED1775' for combustion engine 'M176/M177/M178' (ME) (MED1775)	P030885 - Combustion misfiring of cylinder 8 has been detected. There is a signal above the permissible limit value.
	P030800 - Combustion misfiring of cylinder 8 has been detected. _
	P030785 - Combustion misfiring of cylinder 7 has been detected. There is a signal above the permissible limit value.
	P030700 - Combustion misfiring of cylinder 7 has been detected. _
	P030685 - Combustion misfiring of cylinder 6 has been detected. There is a signal above the permissible limit value.
	P030600 - Combustion misfiring of cylinder 6 has been detected. _
	P030585 - Combustion misfiring of cylinder 5 has been detected. There is a signal above the permissible limit value.
	P030500 - Combustion misfiring of cylinder 5 has been detected. _
	P030485 - Combustion misfiring of cylinder 4 has been detected. There is a signal above the permissible limit value.
	P030400 - Combustion misfiring of cylinder 4 has been detected. _
	P030385 - Combustion misfiring of cylinder 3 has been detected. There is a signal above the permissible limit value.
	P030300 - Combustion misfiring of cylinder 3 has been detected. _
	P030285 - Combustion misfiring of cylinder 2 has been detected. There is a signal above the permissible limit value.
	P030200 - Combustion misfiring of cylinder 2 has been detected. _
	P030185 - Combustion misfiring of cylinder 1 has been detected. There is a signal above the permissible limit value.
	P030100 - Combustion misfiring of cylinder 1 has been detected. _

	P030022 - Combustion misfiring has been detected. The signal amplitude is greater than the maximum amplitude.
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Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note