

Check engine indicator light active and fault code P261029/P02FF85/P02FF02 stored in engine control unit

Topic number	LI54.30-P-070482
Version	3
Function group	54.30 Instrument cluster, display instruments, hazard warning device
Date	06-18-2020
Validity	Model series 205, 213, 238, 253, 257, 217, 222, 290 with code 464 Model series 463 with code J25
Reason for change	Remedy edited
Reason for block	

Complaint:

The check engine indicator light in the instrument cluster may be illuminated with one of the following fault codes: P261029, P02FF85, or P02FF02 stored in the engine control unit (N3/10).

Cause:

The time in instrument cluster is implausible due to an internal reset.

Remedy:

If no other complaints exist then check for and perform any available software updates for the following control units:

- Motor electronics (N3/10)
- Powertrain control unit (N127)
- Instrument cluster (A1)

If all three control units have the latest software installed and the complaint continues to occur then proceed with replacement of the instrument cluster (A1)

Should the complaint re-occur after the instrument cluster has been replaced then open a PTSS case with the following information:

- Control units logs for the ME, PTCU, and IC
- Initial quick test

Symptoms
Power generation / Engine management / Indicator lamp / Engine diagnosis / lit
Communication/information / Information display / Displays / Multifunction display / Multifunction display, error messages / Implausible messages despite properly functioning message systems
Communication/information / Information display / Indicator lamp / lit
Communication/information / Information display / Displays / Multifunction display / Multifunction display, error messages / Due to faulty reporting system
Communication/information / Information display / Displays / Multifunction display / Multifunction display, menu / Faulty display

XENTRY TIPS

Control unit/fault code		
Control unit	Fault code	Fault text
A1 - Instrument cluster (IC) (IC172) (G (463))	-	-
A1 - Instrument cluster (IC) (IC197) (G (463))	-	-
A1 - Instrument cluster (IC) (IC213)	-	-
A1 - Instrument cluster (IC) (IC222) (GLC (253),S (217),S (222),C (205))	-	-
N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME) (GLC (253),G (463),E (213),S (222),CLS (257),C (205),E (238))	P02FF85	Frequency counter 'Downtime of drivetrain' has a malfunction. There is a signal above the permissible limit value.
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253),E (213),CLS (257),C (205),E (238))	P02FF85	Frequency counter 'Downtime of drivetrain' has a malfunction. There is a signal above the permissible limit value.
N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME) (GLC (253),G (463),E (213),S (222),CLS (257),C (205),E (238))	P261029	The engine off time has an implausible value. There is an invalid signal.
N3/10 - Motor electronics 'MED177' for combustion engine 'M276' (ME) (GLC (253),G (463),S (217),S (222),C (205))	P261029	The engine off time has an implausible value. There is an invalid signal.
N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME) (GLC (253),G (463),E (213),S (222),CLS (257),C (205),E (238))	P02FF02	Frequency counter 'Downtime of drivetrain' has a malfunction. There is a general signal fault.
N3/10 - Motor electronics 'MRG1' for combustion engine 'M256' (ME) (E (213),X 290 AMG,S (217),S (222),CLS (257),C (205),E (238))	P02FF85	The engine off time has an implausible value. There is a signal above the permissible limit value.
N3/10 - Motor electronics 'MRG1' for combustion engine 'M256' (ME) (E (213),X 290 AMG,S (217),S (222),CLS (257),C (205),E (238))	P02FF02	The engine off time has an implausible value. There is a general signal fault.
N3/10 - Motor electronics 'ME1778' for combustion engine 'M277' (ME) (G (463),S (217),S (222))	P261029	The engine off time has an implausible value. There is an invalid signal.

XENTRY TIPS

N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), E (213), CLS (257), C (205), E (238))	P261029	The engine off time has an implausible value. There is an invalid signal.
N3/10 - Motor electronics 'ME-D177V6LA' for combustion engine 'M276 Abgasturbolader' (ME) (GLC (253), E (213), S (217), S (222), CLS (257), C (205), E (238))	P261029	The engine off time has an implausible value. There is an invalid signal.