

Vehicle Jerks, Bucks and or Surges while driving.DTC: P033904 stored in ME CU.

Topic number	LI07.04-P-066695
Version	1
Design group	07.04 Sender, Feeler, Sensors
Date	07-07-2017
Validity	Vehicles equipped with the M274 (4cyl) engine.
Reason for change	
Reason for block	

Complaint:

Vehicle runs rough, unusual idle, vehicle bucks or surges while driving.
Check engine light may or may not illuminate.

Cause:

Signal loss from the crank position sensor.

The following DTC's may also be stored in the ME CU:

FC P033500; FC P033502; FC P033503; FC P033900; FC P033901; FC P033902; FC P033903; FC P033904; FC P033905; FC P033906

Remedy:

Create a PTSS case with the following information/ Attachments:

NOTE: Do not replace any parts unless otherwise directed.

- 1.) QT with FF data.
- 2.) injector Performance data
- 3.) ME CU Log
- 4.) Note in case whether complaint has been re-produced and can be re-produced.
- 5.) Pico scope trace or Herrmann scope of CPK (Back probe , without disturbing electrical connector to CPK) of active fault
- 6.) The current ME SW and if there are any available updates.
- 7.) indicate whether any of the following parts have been previously replaced (Crank position sensor, Engine wiring harness, magnetic pulse wheel and or Flywheel).

Symptoms
Power generation / Engine management / Engine start/stop / Long starting time
Power generation / Engine management / Engine start/stop / Does not start
Power generation / Engine management / Engine performance / Goes into limp-home mode
Power generation / Engine management / Engine performance / Cuts off
Power generation / Engine management / Engine performance / Poor acceleration

XENTRY TIPS

Control unit/fault code		
Control unit	Fault code	Fault text
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212),E (207),C (204),C (205),GLK (204),CLS (218))	P033904	Position sensor 1 for the crankshaft has a sporadic malfunction. There is an internal fault.
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212),E (207),C (204),C (205),GLK (204),CLS (218))	P033906	Position sensor 1 for the crankshaft has a sporadic malfunction. There is an algorithm fault.
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212),E (207),C (204),C (205),GLK (204),CLS (218))	P033905	Position sensor 1 for the crankshaft has a sporadic malfunction. There is a programming fault.
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212),E (207),C (204),C (205),GLK (204),CLS (218))	P033500	Position sensor 1 for the crankshaft has an electrical fault. _
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212),E (207),C (204),C (205),GLK (204),CLS (218))	P033502	Position sensor 1 for the crankshaft has an electrical fault. There is a general signal fault.
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212),E (207),C (204),C (205),GLK (204),CLS (218))	P033503	Position sensor 1 for the crankshaft has an electrical fault. There is a frequency or pulse width modulation fault.
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212),E (207),C (204),C (205),GLK (204),CLS (218))	P033900	Position sensor 1 for the crankshaft has a sporadic malfunction. _
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212),E (207),C (204),C (205),GLK (204),CLS (218))	P033901	Position sensor 1 for the crankshaft has a sporadic malfunction. There is a general electrical fault.
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212),E (207),C (204),C (205),GLK (204),CLS (218))	P033902	Position sensor 1 for the crankshaft has a sporadic malfunction. There is a general signal fault.

XENTRY TIPS

ne 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212) ,E (207),C (204),C (205),GLK (204),CLS (218))		
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLC (253), SLK/SLC 172,E (213),E (212) ,E (207),C (204),C (205),GLK (204),CLS (218))	P033903	Position sensor 1 for the crankshaft has a sporadic malfunction. There is a frequency or pulse width modulation fault.

Validity		
Vehicle	Engine	Transmission
*	274	*