

Fault codes P054A00 or P054C00 activate the engine diagnosis warning lamp

Topic number	LI18.10-P-069288
Version	1
Function group	18.10 Oil pump
Date	01-16-2019
Validity	Model series 166 and model series 292 with engine 276
Reason for change	
Reason for block	

Complaint:

After a cold engine start, fault codes for the exhaust camshafts may be stored in the engine control unit.

A rattling noise may also be heard occasionally when starting the engine.

Cause:

Possible delayed build up of oil pressure during cold engine start.

Remedy:

Please check the oil pressure build up during cold engine start with manometer connected to main oil duct.

The engine oil should reach a pressure of 1 bar after approximately 3 seconds.

If it takes longer than approximately 3 seconds to reach the engine oil pressure --> replace the oil suction pipe.

Symptoms
Power generation / Engine noise / Noise
Power generation / Engine lubrication/oil cooling / Function / No oil pressure
Power generation / Engine lubrication/oil cooling / Function / Oil pressure too low
Power generation / Engine management / Indicator lamp / Engine diagnosis / lit

Control unit/fault code		
Control unit	Fault code	Fault text
N3/10 - Motor electronics 'MED177' for combustion engine 'M276' (ME)	P054A00	The position of the exhaust camshaft (cylinder bank 1) deviates from the specified value in direction 'Advanced' during cold start. —
N3/10 - Motor electronics 'MED177' for combustion engine 'M276' (ME)	P054C00	The position of the exhaust camshaft (cylinder bank 2) deviates from the specified value in direction 'Advanced' during cold start. —

XENTRY TIPS

N3/10 - Motor electronics 'MED177V6LA' for combustion engine 'M276 Turbocharger' (ME)	P054A00	The position of the exhaust camshaft (cylinder bank 1) deviates from the specified value in direction 'Advanced' during cold start. —
N3/10 - Motor electronics 'MED177V6LA' for combustion engine 'M276 Turbocharger' (ME)	P054C00	The position of the exhaust camshaft (cylinder bank 2) deviates from the specified value in direction 'Advanced' during cold start. —

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 276 180 01 00			Oil suction pipe	1		X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
18-1250	CHECK OIL PRESSURE OF ENGINE (WITH PRESSURE GAUGE)		01019 38	

Validity		
Vehicle	Engine	Transmission
GLE (292)	276	*
M/GLE (166)	276	*