

M274 Check engine light, P052E71 Crankcase ventilation valve

Topic number	LI01.20-P-076894
Version	4
Function group	01.20 - Crankcase ventilation, cylinder head cover
Date	5/13/24
Validity	Passenger car with engine M274
Reason for change	Added note regarding Model 172

Complaint

Check engine light illuminated

Fault code stored in N3/10 control unit- P052E71 – Positive Crankcase Ventilation Regulator Valve Performance: The valve for crankcase ventilation has a malfunction

Cause

The partial-load ventilation valve (a part of the intake line assembly) may not work as intended.

Remedy

Model year 2015-2018 (non-hybrid), and ALL model year 172 and hybrid variants

Performed guided test for fault code P052E71. Replace intake line assembly if necessary per results of the guided test. This LI will be updated once the software solution is available for hybrid and model year 2015-2018 vehicles.

Model year 2019 (Except model 172 and hybrid variants)

Perform software update for N3/10 Engine control unit. Replacement of intake line assembly is not required.

This LI is in relation to NCU dated 8/31/2023 "Emission Extended Warranty – Intake Line Assembly".

WIS-References		
Document number	Title	Note
AR01.20-P-9692MRU	Remove/install oil separator on crankcase	

Symptoms
Power generation > Exhaust system > Function > Fumes/blue smoke
Power generation > Engine management > Engine running > Runs rough/shakes
Power generation > Engine management > Indicator lamp > Engine diagnosis > lit

Power generation > Engine management > Engine performance > No/poor output

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A274090560080			Intake line assembly	1	inclusive of oil separator, partial load ventilation valve and full-load ventilation valve	X

Control unit/fault code	
Control unit	Fault text
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (MED40)	P052E71 - The valve for crankcase ventilation has a malfunction. The actuator is blocked.

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
	Solenoid valve, crankcase ventilation system		0101D	Damage code