

## M274 Check engine light, P052E71 Crankcase ventilation valve

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Topic number	LI01.20-P-076894
Version	1
Function group	01.20 - Crankcase ventilation, cylinder head cover
Date	9/8/23
Validity	Passenger car with engine M274
Reason for change	

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### 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

Performed guided test for fault code P052E71. Replace intake line assembly if necessary per results of the guided test.

Do not perform software update of N3/10 Engine control unit at this time. This LI will be updated once the software solution is available.

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
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# XENTRY Tips

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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