

Engine diagnosis warning lamp is active, DTC P052E71

Topic number	LI07.70-P-058650
Version	3
Design group	07.70 Direct injection gasoline injection and ignition system
Date	03-21-2014
Validity	M270 in model series C117 (country code 705 USA)
Reason for change	Diagnosis test steps modified.
Reason for block	

Complaint:

Engine diagnosis warning lamp active - check engine light (CEL) on.

The fault code P052E71 is logged in the fault memory of the engine control unit.

Cause:

Investigations to date have not yet revealed the exact cause.

Possible cause:

The component or the electrical actuation at the partial load crankcase ventilation valve (Y58/2) may be faulty.

Remedy:

1) Check function and actuation of partial load crankcase ventilation valve (Y58/2) using Xentry Diagnostics (with AddOn 3507). Perform tests step for fault code.

If the actuation is successful and no component faults are found, perform the following work.

2) Erase fault memory and do not perform any further work. Release vehicle.

Otherwise open a PTSS case with all required information. The case will be forwarded to engineering for resolution.

Symptoms
Power generation / Engine management / Engine management indicator lamp / Engine diagnosis / lit

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

Validity		
Vehicle	Engine	Transmission
117.342	270.910	*
117.343	270.910	*
117.344	270.920	*
117.345	270.920	*
117.346	270.920	*

Full model designation breakdown		
Vehicle	Engine	Transmission
117.342	270.910	711.632
117.342	270.910	711.643
117.342	270.910	724.002
117.343	270.910	711.643
117.343	270.910	724.002
117.344	270.920	724.003
117.345	270.920	724.003
117.346	270.920	724.011