

Check Engine Light (CEL) on, DTC code P032600 for knock sensor in M271 EVO ME engine control module

Topic number	LI07.70-P-060243
Version	1
Design group	07.70 Direct injection gasoline injection and ignition system
Date	04-07-2015
Validity	Model 204 and model 172 with M271 EVO engines (271.8)
Reason for change	
Reason for block	

Complaint:

The Check Engine Light (CEL) is on in the instrument cluster. DTC fault code P032600 for knock sensor in the ME engine control module. Customers might complaint of vibration / engine roughness.

Cause:

Root cause analysis is being performed.

Remedy:

Perform the following steps:

1. Perform all basic checks related to fuel quality.
2. Check wiring
3. Check for carbon deposit, check spark plugs and other possible root causes.

Perform Xentry guided, and knock control tests.

If knock sensor replacement does not resolve the issue or there are no other obvious root causes of the issue, collect all information including all Xentry files (logs - QT, CUL and tests), open a PTSS case with all collected information mentioning this LI number.

The PTSS cases will be sent to Service Engineering and the next steps will be provided in the PTSS case.

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 'SIM271DE20' for combustion engine 'M271EVO' (N3/10)	P032600	Knock sensor 1 (cylinder bank 1) has a malfunction. _

Validity		
Vehicle	Engine	Transmission
*	271.860	*
*	271.861	*
*	271.820	*