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## M271.8 EVO engine has poor accelerator response - lack of power under full load and high rpm

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Topic number	LI47.00-P-054771
Version	1
Design group	47.00 General
Date	10-26-2012
Validity	MODEL 172; 204; 207; 212 with M271.8 EVO Supersedes LI07.70-P-053794
Reason for change	
Reason for block	

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**Complaint:**

Complaint of:

- a) engine has poor accelerator response at take off (driving off)
- and /or
- b) engine has lack of power under a full load and high rpm

Engine diagnosis warning lamp (CEL) lights up, vehicle is in limp-home mode (may or may not be intermittent). Vehicle may return to normal operating condition after a key cycle.

Fault code - DTC P008A21 "The pressure in the fuel low-pressure system is too low".

The DTC P008A21 is the primary code. Other codes might be present in a short test.

**Cause:**

- a) engine software / throttle mapping
- b) in certain driving situations (primarily at high loads and high rpms), the engine control module software might erroneously detected an insufficient fuel pressure in the low pressure system, although there is adequate pressure present.

**Remedy:**

Refer to a and b for remedy however, check the fuel system first. Process the DTC P008A21 and any other codes that might be present in SDS.

If there is no apparent issue with the fuel system and results of guided tests are inconclusive then...

- a) update ME
- b) this occurrence can be identified by checking the fault freeze frame data. If the value for the low fuel pressure was recorded as being above 4 bar, the triggering of the fault code and CEL was most likely implausible.

Update the ME control module with below provided AddOns for the complaint described above:

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# XENTRY

AddOn 2519 Xentry version 07/2012

or

AddOn 2520 Xentry version 09/2012

Note:

This LI supersedes the LI07.70-P-053794.

## Symptoms

Power generation / Engine management / Engine performance / Poor/delayed throttle response

## Control unit/fault code

Control unit	Fault code	Fault text
ME - Motor electronics 'SIM271DE20' for combustion engine 'M271EVO' (N3/10)	P008A21	The pressure in the fuel low pressure circuit is too low. There is a signal below the permissible limit value.

## Validity

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