

P2188 The mixture (cylinder bank 1) is too rich at idle speed

Topic number	LI07.61-P-057423
Version	2
Design group	07.61 ME-SFI fuel injection/ ignition system
Date	11-19-2013
Validity	Model series 451 with M132 Engine All model years
Reason for change	Correcton on validity
Reason for block	

Complaint:

Engine malfunction indicator lamp on.

Fault code P2188. The mixture (cylinder bank 1) is too rich at idle speed.

Cause:

The mixture (cylinder bank 1) is too rich at idle speed.

Cannot associate this problem to one specific component.

Remedy:

1. A rich mixture due to PCV valve.
2. A rich mixture caused by a leaking injector nozzles and/or a too high fuel pressure.
3. Intake and/or exhaust system leak.
4. Incorrect Intake pressure sensor values. Defective or contaminated sensor.
5. Restricted throttle part.
6. Excessive play of throttle plate (vehicle over 40,000 km / 25,000 miles)
7. O2 sensor contamination or Incorrect values.
8. A defective throttle part. Micro movements of the throttle plate can affect the mixture by too much or too less air flow in the intake manifold.

Symptoms
Power generation / Engine management / Engine management, display message / Displays fault code
Power generation / Engine management / Engine management indicator lamp / Engine diagnosis / lit
Power generation / Engine management / Engine performance / Goes into limp-home mode

Control unit/fault code		
Control unit	Fault code	Fault text

N3/10 (ME-SFI [ME] control unit) (ME7_451)	P2188	The mixture (cylinder bank 1) is too rich at idle speed.
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Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other make part
A 132 018 01 29			Bleeder valve	1	PCV valve	X	
A 000 053 54 58			Grommet	1	Grommet	X	
A 132 016 00 61			Breather panel	1		X	
N 910143 006000			Hexagular bolt	3	Breather panel mounting bolt => if required.	X	
A 132 016 01 81			Bleed hose	1	PCV hose	X	
A 000 995 63 05			Clamp	1	Hose to valve	X	
A 000 995 61 05			Clamp	1	Deaeration line to intake manifold	X	

WIS-References			
Document number	Title	Note	Allocation
ar07.61-p-1401mcu	Remove/install throttle valve actuator	For cleaning and inspection of throttle plate.	Remedy
ad07.61-p-4000-09mcc	Self-adjustment of mixture formation at limit value	ME-SFI fault code P2188 description	Remedy
ar01.20-p-0010mcu	Remove/install crankcase ventilation valve (partial load)	Remove/install PCV valve	Remedy
ar01.20-p-0100mcu	Remove/install cover on crankcase	Remove/install PCV valve cover on crankcase	Remedy

Validity		
Vehicle	Engine	Transmission
451.331	132.910	717.482
451.431	132.910	717.482