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## Engine diagnosis warning lamp active - The fault code P262600 or P262900 relating to the oxygen sensor upstream of the catalytic converter may be stored in the engine control unit

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Topic number	LI49.00-P-054888
Version	2
Design group	49.00 General
Date	06-06-2014
Validity	Model 166 / 207 / 212 / 216 / 218 / 221 with engines M278 and M157 Each only with SA code 801 and without K01, or with SA code 802 and without K01
Reason for change	Validity updated to include M157 engines
Reason for block	

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### Complaint:

Engine diagnosis warning lamp active:

The following fault codes may be stored in the engine control unit:

P262600 "The connection of the trimming resistor of oxygen sensor 1 (cylinder bank 1) has an electrical fault or an open circuit"

or

P262900 "The connection of the trimming resistor of oxygen sensor 1 (cylinder bank 2) has an electrical fault or an open circuit"

### Cause:

Heating element of oxygen sensor damaged.

### Remedy:

1. Replace left and right oxygen sensor upstream of CAT.
2. Perform post-documentation of SA code K01 in "Special Function Tab" (Follow steps 2a - 2c)
  - 2a. Select "Special Functions" from the main screen
  - 2b. Select "Entry for retrofits and modifications"
  - 2c. Select "+" and add code K01
3. Update ME control unit software
4. Perform SCN coding of ME control unit

### Note:

A. If the latest engine control unit software has already been installed, SCN coding will suffice, once the oxygen sensor was replaced and post documentation conducted.

B. If the code cannot be added, please contact "Diagnosis User Help Desk"

<b>Symptoms</b>
Power generation / Engine management / Engine management indicator lamp / Engine diagnosis / lit

Control unit/fault code		
Control unit	Fault code	Fault text
ME - Motor electronics 'MED177' for combustion engine 'M276' (N3/10), MED 17.7-Motor electronics for direct injection 17.7 (MED177) (E (212),CLS (218),M (166),E (207))	P262900	The trimming resistor connection of oxygen sensor 1 (cylinder bank 2) has an electrical fault or an open circuit. _
ME - Motor electronics 'MED177' for combustion engine 'M276' (N3/10), MED 17.7-Motor electronics for direct injection 17.7 (MED177) (E (212),CLS (218),M (166),E (207))	P262600	The trimming resistor connection of oxygen sensor 1 (cylinder bank 1) has an electrical fault or open circuit. _
ME - Motor electronics 'MED177' for combustion engine 'M276' (N3/10), MED 17.7-Motor electronics for direct injection 17.7 (MED177) (CL (216),S (221))	P262600	The trimming resistor connection of oxygen sensor 1 (cylinder bank 1) has an electrical fault or open circuit.
ME - Motor electronics 'MED177' for combustion engine 'M276' (N3/10), MED 17.7-Motor electronics for direct injection 17.7 (MED177) (CL (216),S (221))	P262900	The trimming resistor connection of oxygen sensor 1 (cylinder bank 2) has an electrical fault or open circuit.

Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other make part
A 009 542 55 18			Oxygen sensor upstream of catalytic converter, left and right	2	Model series 166	X	
A 009 542 60 18			Oxygen sensor upstream of catalytic converter, left and right	2	Model series 221, 216	X	
A 009 542 63 18			Oxygen sensor upstream of CAT, left/right	2	BR207, BR212, BR218	X	

WIS-References			
Document number	Title	Note	Allocation
AR07.52-P-5303MLJ	Remove/install heated O2 sensor	ENGINE 278 in MODEL 166	Remedy
AR07.52-P-5303ELB	Remove/install heated O2 sensor	ENGINE 278 in MODEL 207, 212, 218	Remedy
AR07.52-P-5303SX	Remove/install heated O2 sensor	ENGINE 278 in MODEL 216, 221	Remedy

Validity		
Vehicle	Engine	Transmission
CL (216)	157	*
CL (216)	278	*
CLS (218)	157	*
CLS (218)	278	*
E (207)	278	*
E (212)	157	*
E (212)	278	*
M (166)	278	*
M (166)	157	*
S (221)	278	*
S (221)	157	*