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## Heating element of AdBlue tank has malfunction, fault code 20BE1B and/or 20BD1B logged in BlueTec control unit

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Topic number	LI49.20-P-056353
Version	2
Design group	49.20 Exhaust aftertreatment unit
Date	02-12-2014
Validity	Model 164 with engine 642 and SA code U42 (BlueTec SCR diesel exhaust treatment) Model 166 with engine 642 and SA code U42 (BlueTec SCR diesel exhaust treatment) Model X204 with engine 642 and SA code U42 (BlueTec SCR diesel exhaust treatment) Model 212 with engine 642 and SA code U42 (BlueTec SCR diesel exhaust treatment) Model 218 with engine 642 and SA code U42 (BlueTec SCR diesel exhaust treatment) Model 221 with engine 642 and SA code U42 (BlueTec SCR diesel exhaust treatment) Model 251 with engine 642 and SA code U42 (BlueTec SCR diesel exhaust treatment) Model 463 with engine 642 and SA code U42 (BlueTec SCR diesel exhaust treatment)
Reason for change	content changed
Reason for block	

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**Complaint:**

Engine diagnosis warning lamp active.

Fault code 20BE1B and/or 20BD1B (The heating element of the AdBlue tank has a malfunction) is logged in the BlueTec control unit.

**Cause:**

Due to resistance changes in the heating element, a malfunction may be diagnosed.

**Remedy:**

1. Work through the guided tests in XENTRY and follow the instructions.
2. After completing the guided tests and replacing the indicated failed components.
3. Program the SCR control unit with new software using XENTRY version 03/2013 or later).

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

Control unit/fault code		
Control unit	Fault code	Fault text
SCR - Selective catalytic reduction (N118/5) (SCRCM) (GLK (204),E (212),CLS (218), M (166),G (463))	20BD1B	The output for the heating element of the AdBlue® tank has an electrical fault or an open circuit.
SCR-Selective Catalytic Reduction (M (164),R (251),S (221),G (463))	20BD1B	The output for heating element 'AdBlue tank' has an electrical fault or open circuit.
SCR - Selective catalytic reduction (N118/5) (SCRCM) (GLK (204),E (212),CLS (218), M (166),G (463))	20BE1B	The output for the heating element of the AdBlue® tank has a malfunction.
SCR-Selective Catalytic Reduction (M (164),R (251),S (221),G (463))	20BE1B	The output for heating element 'AdBlue tank' has a malfunction.

Validity		
Vehicle	Engine	Transmission
CLS (218)	642	*
E (212)	642	*
G (463)	642.886	*
G (463)	642.970	*
GLK (204)	642	*
M (164)	642	*
M (166)	642	*
R (251)	642	*
S (221)	642	*