

## Contents

<b>00</b>	<b>Technical data</b> .....	<b>1</b>
1	<b>Safety precautions</b> .....	<b>1</b>
1.1	Safety precautions when working on the fuel system .....	1
1.2	Safety precautions when working on vehicles with start/stop system .....	2
1.3	Safety precautions when using testers and measuring instruments during a road test .....	2
2	<b>Repair instructions</b> .....	<b>3</b>
2.1	Rules for cleanliness .....	3
2.2	Test conditions .....	3
2.3	Contact corrosion .....	3
<b>20</b>	<b>Fuel supply system</b> .....	<b>5</b>
1	<b>Fuel tank</b> .....	<b>5</b>
1.1	Exploded view - fuel tank .....	5
1.2	Draining fuel tank .....	11
1.3	Removing and installing fuel tank .....	20
2	<b>Fuel delivery unit/fuel gauge senders</b> .....	<b>40</b>
2.1	Exploded view - fuel delivery unit/fuel gauge senders .....	40
2.2	Removing and installing fuel delivery unit/fuel gauge sender .....	42
2.3	Checking fuel gauge sender G .....	50
2.4	Removing and installing fuel gauge sender G .....	54
2.5	Checking fuel gauge sender 2 G169 .....	57
2.6	Removing and installing fuel gauge sender 2 G169 .....	59
3	<b>Fuel filter</b> .....	<b>63</b>
3.1	Exploded view - fuel filter .....	63
3.2	Removing and installing fuel filter .....	63
4	<b>Activated charcoal filter system</b> .....	<b>66</b>
4.1	Connection diagram - activated charcoal filter system .....	66
4.2	Exploded view - activated charcoal filter system .....	69
4.3	Removing and installing activated charcoal filter .....	71
4.4	Tank leak diagnostic system .....	72
4.5	Performing tank leak diagnosis .....	73
4.6	Removing and installing fuel system diagnostic pump .....	75
5	<b>Fuel pump</b> .....	<b>76</b>
5.1	Checking fuel system pressurisation pump G6 .....	76
5.2	Checking fuel pump delivery rate .....	81
5.3	Checking fuel pressure and residual pressure (up to high-pressure pump) .....	95
5.4	Checking suction-jet pump .....	98
5.5	Removing and installing suction-jet pump .....	98
5.6	Checking fuel pump control unit J538 .....	104
5.7	Removing and installing fuel pump control unit J538 .....	105
5.8	Adapting fuel pump after renewing fuel delivery unit .....	109
6	<b>Accelerator mechanism</b> .....	<b>111</b>
6.1	Exploded view - accelerator pedal module .....	111
6.2	Removing and installing accelerator pedal module with accelerator position sender G79 / G185 .....	112