

Contents

00 - Technical data	1
1 Safety precautions	1
1.1 Safety precautions when working on the fuel system	1
1.2 Safety precautions when using testers and measuring instruments during a road test	3
2 Repair instructions	4
2.1 Rules for cleanliness	4
2.2 Test conditions	4
2.3 Contact corrosion	4
20 - Fuel supply system	6
1 Fuel tank	6
1.1 Exploded view - fuel tank	6
1.2 Draining fuel tank	13
1.3 Removing and installing fuel tank	19
2 Fuel delivery unit/fuel gauge senders	40
2.1 Exploded view - fuel delivery unit/fuel gauge senders	40
2.2 Removing and installing fuel delivery unit/fuel gauge senders	49
2.3 Checking fuel gauge sender G	83
2.4 Removing and installing fuel gauge sender G	96
2.5 Checking fuel gauge sender 2 G169	100
2.6 Removing and installing fuel gauge sender 2 G169	107
3 Plug-in connectors	124
3.1 Disconnecting plug-in connectors	124
4 Fuel filter	130
4.1 Exploded view - fuel filter	130
4.2 Removing and installing fuel filter	132
5 Activated charcoal filter system	135
5.1 Connection diagram - activated charcoal filter system	135
5.2 Exploded view - activated charcoal filter system	138
5.3 Removing and installing activated charcoal filter	141
5.4 Checking fuel system for leaks	143
5.5 Removing and installing fuel system diagnostic pump	145
5.6 Removing and installing control unit for fuel tank leak detection with integrated tank pressure sensor	146
5.7 Removing and installing air filter for tank leak diagnostic system	146
5.8 Tank leak diagnostic system	147
6 Accelerator mechanism	150
6.1 Exploded view - accelerator pedal module	150
6.2 Removing and installing accelerator pedal module with accelerator position sender G79/G185	151
7 Bleeding fuel system	153
7.1 Bleeding fuel system	153
7.2 Bleeding fuel supply line leading to metering pump	153
8 Fuel pump	155
8.1 Checking fuel system pressurisation pump G6	155
8.2 Removing and installing suction pipe	172
8.3 Removing and installing fuel pump control unit J538	175
8.4 Checking fuel pump control unit J538	190