



## Contents

<b>1</b>	<b>Engine list</b>	<b>1</b>
<b>2</b>	<b>Service work</b>	<b>3</b>
2.1	Information on fixed service	3
2.2	Service tables up to model year ➤2019	5
2.3	Service tables as of model year 2020➤	14
<b>3</b>	<b>General information</b>	<b>23</b>
3.1	General warnings for working on high-voltage system	23
3.2	Raising vehicle with lifting platform or trolley jack	23
3.3	Stickers	25
3.4	Entries in service schedule	26
3.5	Vehicle diagnostic tester	26
3.6	Vehicle identification number	27
3.7	Vehicle data sticker	28
3.8	Severe operating conditions	29
3.9	Countries with hot climate	30
3.10	Country overview for petrol not compliant with EN 228	31
3.11	Engine code and engine number	32
3.12	Countries with high levels of dust	32
3.13	Identification plate	33
3.14	Shortened intervals for spark plug replacement	33
<b>4</b>	<b>Descriptions of work</b>	<b>38</b>
4.1	Swivel joints and suspension link mountings: inspecting	39
4.2	Front passenger front airbag: checking key switch and “ON/OFF function”	40
4.3	Battery (12V): checking battery terminal clamps for secure seating	42
4.4	Battery (12V): checking using battery tester with printer VAS 6161	44
4.5	Tyres: checking condition, wear pattern, tyre pressure and tread depth	44
4.6	Brake and clutch system: changing brake fluid	54
4.7	Brake system and shock absorbers: inspecting for leaks and damage	61
4.8	Brake pads of front brake discs and rear drum brake linings: checking thickness and condition	61
4.9	Brake fluid level: checking	64
4.10	Three-phase current drive: calibrating	66
4.11	Natural gas tank: renewing	66
4.12	Natural gas filler connection and sealing cap: checking condition, if necessary cleaning and checking seal	66
4.13	Fault memory of all systems: reading with vehicle diagnostic tester, correcting possible faults according to repair guidelines	67
4.14	Natural gas system: resetting interval display if a check in line with ECE ruling 110 has been carried out	67
4.15	Natural gas system: visually inspecting natural gas tank for corrosion and leakage	67
4.16	Natural gas system: checking wax layer between natural gas fuel tank and fuel tank shut-off valve	72
4.17	Boots: inspecting	72
4.18	High-voltage battery: checking charge level	73
4.19	Maintenance of high-voltage battery	73
4.20	High-voltage battery: charging	74
4.21	Interior and exterior body: inspecting for corrosion with doors and flaps open	74
4.22	Poly V-belt: renewing	74
4.23	Poly V-belt: checking condition	74
4.24	Cooling system: checking frost protection and coolant level	76
4.25	Air filter: cleaning housing and renewing filter element	79
4.26	Multi-purpose additive for petrol fuel: adding	85
4.27	Engine and components in engine compartment: inspecting for leaks and damage (from above and below)	87



4.28	Engine oil level: checking	87
4.29	Engine oil: Draining, renewing oil filter and filling engine oil.	88
4.30	Engine oil: capacities and specifications up to model year ►2020	92
4.31	Engine oil: capacities and specifications as of model year 2021►	93
4.32	Panoramic sliding sunroof	94
4.33	Road test: performing (driving behaviour, noises, air conditioner etc.)	100
4.34	Wheel securing bolts: tightening to specified torque	101
4.35	Radio code: reading using vehicle diagnostic tester	102
4.36	Radio/navigation system: entering PIN of anti-theft coding and storing local radio stations to station buttons	103
4.37	Tyre pressure monitoring: performing basic setting	103
4.38	Tyre repair set: checking	104
4.39	Window wash/wipe system and headlight washer system: checking function	105
4.40	Headlight adjustment: checking halogen headlights	109
4.41	Headlight adjustment: checking fog lights	113
4.42	Sliding sunroof drains at rear: checking for blockage, cleaning if necessary	114
4.43	Service interval display: resetting	115
4.44	Track rods: checking clearance, attachment and boots	118
4.45	Interior filter: cleaning housing and renewing filter element	118
4.46	Transportation mode: switching off	119
4.47	Transportation devices: removing blocking pieces	119
4.48	Clock and date: setting	120
4.49	Underbody: inspecting for damage to underbody sealant, underbody panels, routing of lines, plugs	122
4.50	Toothed belt (petrol engines): renewing	122
4.51	Spark plugs: renewing	122
4.52	Warning stickers: checking	128
4.53	Plenum chamber: checking water drainage	128
<b>5</b>	<b>Exhaust emissions test</b>	<b>129</b>
5.1	Exhaust emissions test for petrol engines	129
<b>6</b>	<b>00 Periodic Technical Inspection (PTI)</b>	<b>132</b>
<b>7</b>	<b>Glossary</b>	<b>136</b>
<b>8</b>	<b>---Change history---</b>	<b>139</b>