



Contents

1	Engine list	1
2	Service work	5
2.1	Information about flexible or fixed service	5
2.2	Service tables up to model year ►2020	8
2.3	Service tables as of model year 2021►	17
3	General information	26
3.1	Raising vehicle with lifting platform or trolley jack	26
3.2	Entries in service schedule	28
3.3	Severe operating conditions	28
3.4	Vehicle data sticker	28
3.5	Connecting vehicle diagnostic tester	30
3.6	Vehicle identification number	31
3.7	Countries with hot climate	32
3.8	Country overview for petrol not compliant with EN 228	33
3.9	Country overview for diesel not compliant with EN 590/EN 15940	34
3.10	Engine code and engine number	35
3.11	Countries with high levels of dust	35
3.12	Identification plate	36
3.13	Shortened intervals for spark plug replacement	37
4	Descriptions of work	42
4.1	Swivel joints and suspension link mountings: inspecting	43
4.2	Automatic headlight control and static cornering light: checking function	45
4.3	Front passenger front airbag: checking key switch and “ON/OFF function”	46
4.4	Battery (12V): checking battery terminal clamps for secure seating	47
4.5	Battery (12V): checking with battery tester (always refer to workshop manual)	49
4.6	Status of battery (12V): reading - sending diagnosis protocol via online connection	50
4.7	Tyres: checking condition, wear pattern, tyre pressure and tread depth	50
4.8	Brake and clutch system: changing brake fluid	55
4.9	Brake system and shock absorbers: inspecting for leaks and damage	61
4.10	Brakes, front and rear: checking thickness of brake pads and condition of brake discs	62
4.11	Brake fluid level: checking	65
4.12	Diesel particulate filter: checking	66
4.13	Dual clutch gearbox 0D9: changing gear oil and filter	66
4.14	Dual clutch gearbox 0GC: changing gear oil	66
4.15	Electric windows: checking positioning (open and close functions)	66
4.16	Fault memory of all systems: reading with vehicle diagnostic tester, correcting possible faults according to repair guidelines	67
4.17	Boots: inspecting	68
4.18	Interior and exterior body: inspecting for corrosion with doors and flaps open	68
4.19	Poly V-belt: renewing	68
4.20	Poly V-belt: checking condition	69
4.21	Cooling system: checking frost protection and coolant level	70
4.22	Diesel fuel filter: renewing	73
4.23	Air filter: cleaning housing and renewing filter element	75
4.24	Multi-purpose additive for diesel fuel: adding	85
4.25	Multi-purpose additive for petrol fuel: adding	87
4.26	Engine and components in engine compartment: inspecting for leaks and damage (from above and below)	89
4.27	Engine cover panel “top”: removing and installing	90
4.28	Motor compartment cover (noise insulation) “bottom”: removing and installing	92
4.29	Engine oil level: checking	92
4.30	Engine oil: Draining, renewing oil filter and filling engine oil.	94
4.31	Engine oil: capacities and specifications up to model year ►2020	104
4.32	Engine oil: capacities and specifications as of model year 2021►	106



4.33	Panorama sliding roof with rear panorama roof	107
4.34	Road test: performing (driving behaviour, noises, air conditioner etc.)	110
4.35	Wheel securing bolts: tightening to specified torque	110
4.36	Reducing agent (AdBlue®): replenishing	112
4.37	Reducing agent (AdBlue®/DEF): changing	116
4.38	Tyre pressure indicator: calibrating	116
4.39	Tyre repair set: checking	117
4.40	Window wash/wipe system and headlight washer system: checking function	118
4.41	Headlight adjustment: checking halogen headlights	122
4.42	Headlight adjustment: checking LED headlights with cornering light	125
4.43	Headlight adjustment: checking LED headlights	129
4.44	Headlight adjustment: checking fog lights	133
4.45	Sliding sunroof drains at front: check for blockage, clean if necessary	135
4.46	Service interval display: resetting	136
4.47	Service interval display: recoding	137
4.48	Track rods: checking clearance, attachment and boots	138
4.49	Interior filter: cleaning housing and renewing filter element	139
4.50	Transportation mode: switching off	139
4.51	Transportation devices: removing blocking pieces	140
4.52	Clock and date: setting	141
4.53	Underbody: inspecting for damage to underbody sealant, underbody panels, routing of lines, plugs	142
4.54	Water drain valves at rear: check for blockage, clean if necessary	142
4.55	Toothed belt (petrol engines): renewing	143
4.56	Camshaft drive toothed belt (diesel engines): renewing	143
4.57	Spark plugs: renewing	143
5	Exhaust emissions test	156
5.1	Exhaust emissions test for petrol engines	156
5.2	Exhaust emissions test for diesel engines	158
6	00 Periodic Technical Inspection (PTI)	161
7	Glossary	165
8	---Change history---	168