

Contents

1	General information	1
1.1	--- Change history ---	1
1.2	Engine number	2
1.3	Vehicle identification number	4
1.4	Vehicle data sticker	5
1.5	Warnings for high-voltage vehicles	5
2	Preparations	10
2.1	Vehicle: raising	10
2.2	Engine cover panel: removing and installing	12
2.3	Noise insulation: removing and installing	15
2.4	Window regulators: activating automatic open/close function	17
2.5	Vehicle diagnostic tester: connecting	17
3	Maintenance	20
3.1	Diesel particulate filter: reading out ash deposit volume	23
3.2	Event memory: reading out	24
3.3	Rear Seat Entertainment: connecting wireless headphones	24
3.4	Service interval display: resetting service event	25
3.5	Transport mode: deactivating	25
3.6	Transport mode: checking activation and activating if necessary	26
3.7	Shipping mode: deactivating	27
3.8	Battery: reading out status	27
3.9	Connecting vehicle diagnostic tester and sending diagnostic log	29
3.10	Battery: checking electrolyte level	29
3.11	Battery: connecting stationary battery charger (min. 30A, charging voltage max. 14.8 V on IV characteristic curve)	31
3.12	Battery: determining and recording state of charge (SOC)	33
3.13	Mirror hanger indicating defective battery: renewing battery on affected vehicles	36
3.14	Data sheet for Radio Equipment Directive: printing and placing in glove compartment	36
3.15	Brake fluid: changing	36
3.16	Brake fluid (vehicles older than 12 months): changing	41
3.17	Brake fluid: checking fluid level	41
3.18	Brake system: checking condition of brake hoses, and checking that caps are fitted on bleeder screws	41
3.19	Brake pads: checking thickness	42
3.20	Brake discs: checking for surface rust and operating brakes to clean if necessary	43
3.21	Parking brake: releasing	44
3.22	Tyres: checking condition and wear pattern, and checking and recording tread depth	44
3.23	Tyres: checking tyre pressures and adjusting if necessary	45
3.24	Tyres (except spare wheel): checking tyre pressures and adjusting to 3.5 bar if necessary	46
3.25	Tyre Pressure Loss Indicator: storing changed tyre pressures	47
3.26	Tyre repair kit: checking that set is complete, and checking and recording expiry date	47
3.27	Wheel bolts: tightening to specified torque	48
3.28	Axles (front and rear): checking components for play, secure attachment and damage, and checking protective boots	48
3.29	Engine, gearbox, final drive and steering: checking for leaks and damage	52
3.30	Steering boots and inner hose clips: checking secure seating	53
3.31	Suspension struts on front and rear axle: removing locking elements and correctly fitting bump stops	53
3.32	Vehicle (from below): checking for damage	55
3.33	Underbody: checking trim, wheel housing liners, side members and pipes/wiring for damage, and checking that they are properly secured	55
3.34	Roof insert: checking operation	55
3.35	Roof insert - sliding/tilting sunroof: cleaning and lubricating	56
3.36	Roof insert - panoramic sliding sunroof: checking, cleaning and lubricating	58



3.37	Door hinges with separate door arrester: cleaning and lubricating	62
3.38	Bonnet arrester hook: lubricating	63
3.39	Windscreen/rear window washer system: checking spray pattern and adjusting if necessary	63
3.40	Wiper blades: checking for damage	65
3.41	Headlight washer system: checking operation	66
3.42	Headlights: checking for correct adjustment	66
3.43	Headlights and reversing lights, side lights, number plate lights, turn signals, hazard warning lights: checking operation	67
3.44	Luggage compartment lighting: checking operation	68
3.45	Luggage compartment: removing protective film and felt pieces	68
3.46	Glove compartment light, interior lighting and reading light: checking operation	69
3.47	Horn: checking operation	69
3.48	Passenger airbag: checking key switch on/off and setting to "on"	70
3.49	Owner's literature: checking that all documents are present	70
3.50	Service wallet: affixing vehicle data sticker	70
3.51	Service Schedule: entering Delivery Inspection	71
3.52	Seat belts: checking that retaining rivets are fitted, and checking locking action of automatic belt retractor	71
3.53	Vehicle interior: removing protective covers for seats and carpet	71
3.54	Vehicle interior: checking that it is clean and cleaning if necessary	71
3.55	Vehicle interior: removing any objects other than those protecting interior surfaces	72
3.56	Vehicle interior and exterior: checking for and documenting any damage	72
3.57	Instrument cluster: checking warning lamps	72
3.58	Warning triangle: checking availability	72
3.59	First-aid kit: checking and recording expiry date	72
3.60	Vehicle keys: checking operation and recording number of keys given to customer	73
3.61	Vehicle key: removing from ignition lock	73
3.62	Vehicle key(s), wheel covers and owner's literature: checking availability and recording number present	73
3.63	Sun visors: checking that they are folded up and folding up if necessary	73
3.64	Luggage compartment cover and sun blind: checking that they are rolled up and rolling up if necessary	74
3.65	Engine oil: draining	74
3.66	Engine oil: extracting	76
3.67	Engine oil: renewing oil filter	77
3.68	Engine oil: filling up	85
3.69	Engine oil: checking oil level and correcting if necessary	86
3.70	Poly V-belts for ancillaries: checking	88
3.71	Spark plugs: renewing	92
3.72	Hydraulic system: checking fluid level	107
3.73	Coolant level: checking (coolant level must reach at least top marking on coolant expansion tank)	108
3.74	Air filter: renewing filter element and cleaning housing	110
3.75	Plenum chamber and water drains: checking for dirt	130
3.76	Dust and pollen filter: renewing	131
3.77	Fuel filter: renewing	132
3.78	Fuel tank: adding fuel additive	133
3.79	Reducing agent (AdBlue®): filling up tank completely	134
3.80	Vehicle doors: removing edge protection	145
3.81	Vehicle exterior: checking unprotected areas for dirt, and cleaning if necessary	145
3.82	Vehicle exterior: removing protective film	145
3.83	Vehicle cover: checking position and correcting if necessary	145
3.84	Vehicle cover: removing according to manufacturer's instructions	145
3.85	Paintwork, trims, side windows and wiper blades: checking cleanliness	145
3.86	Body: checking vehicle paintwork for damage and corrosion from below and with bonnet, rear lid and doors open	145

3.87	Vehicles parked outdoors: locking	146
3.88	Vehicle: cleaning interior and exterior	146
3.89	Road test	146
3.90	Stock vehicles: observing measures specified in maintenance table for stock vehicles (see "Before handing vehicle over to customer")	146
3.91	Accessories: installing	147
3.92	"TQS – Documentation of the vehicle care" checklist: checking that list is present	147
3.93	"Stock vehicle maintenance" checklist: signing and placing in vehicle wallet	147
3.94	Cleaning and care: checking that required measures have been carried out on time	147
3.95	Stock vehicle care management: deciding and recording date of next check	148
3.96	Display instruments: setting time and date	148
3.97	Manual gearbox/automatic gearbox: selecting 1st gear/park	148
3.98	Automatic gearbox (Tiptronic): changing ATF	148
3.99	Interior mirror: calibrating compass	148
3.100	Poly V-belt for supercharger with charge air coolers: renewing	148
3.101	Poly V-belt for ancillaries: renewing	149
3.102	Poly V-belts for ancillaries and all pulleys: renewing	149
3.103	Instrument cluster: resetting driver information system	149
4	Exhaust emissions test	150
4.1	Petrol engines: performing exhaust emissions test	150
4.2	Diesel engines up to EU5: performing exhaust emissions test	158
4.3	Diesel engines from EU6 onwards: performing exhaust emissions test	167