

Contents

1	General information	1
1.1	--- Change history ---	1
1.2	Engine number	1
1.3	Vehicle identification number	4
1.4	Vehicle data sticker	4
2	Preparations	6
2.1	Vehicle: raising	6
2.2	Engine cover panel: removing and installing	8
2.3	Noise insulation: removing and installing	12
2.4	Window regulators: activating automatic open/close function	15
2.5	Vehicle diagnostic tester: connecting	15
3	Maintenance	18
3.1	Diesel particulate filter: reading out ash deposit volume	21
3.2	Event memory: reading out and erasing	22
3.3	Navigation system (MMI basic): releasing eject button and running CD for languages	23
3.4	MMI navigation system: loading navigation CD/DVD	23
3.5	Service interval display: resetting service event	23
3.6	Transport mode: deactivating	24
3.7	Transport mode: checking activation and activating if necessary	25
3.8	Battery: reading out status and sending diagnostic log	25
3.9	Battery: checking electrolyte level	26
3.10	Battery: connecting stationary battery charging unit (min. 30A, charging voltage max. 14.8 V on IV characteristic curve)	29
3.11	Battery: determining and recording state of charge (SOC)	31
3.12	Mirror hanger indicating defective battery: renewing battery on affected vehicles	33
3.13	Brake fluid: changing	33
3.14	Brake fluid (vehicles older than 12 months): changing	38
3.15	Brake fluid: checking fluid level	38
3.16	Brake system: checking condition of brake hoses, and checking that caps are fitted on bleeder screws	38
3.17	Brake pads: checking thickness	39
3.18	Brake discs: checking for surface rust and operating brakes to clean if necessary	40
3.19	Parking brake: releasing	41
3.20	Tyres: checking condition and wear pattern, and checking and recording tread depth	41
3.21	Tyres: checking tyre pressures and adjusting if necessary	42
3.22	Tyres (except spare wheel): checking tyre pressures and adjusting to 3.5 bar if necessary	43
3.23	Tyre Pressure Loss Indicator: storing changed tyre pressures	44
3.24	Tyre repair kit: checking that set is complete, and checking and recording expiry date	45
3.25	Wheel bolts: tightening to specified torque	45
3.26	Suspension struts on front and rear axle: removing locking elements and correctly fitting bump stops	46
3.27	Axles (front and rear): checking components for play, secure attachment and damage, and checking protective boots	48
3.28	Engine, gearbox, final drive and steering: checking for leaks and damage	51
3.29	Steering boots and inner hose clips: checking secure seating	51
3.30	Vehicle (from below): checking for damage	52
3.31	Underbody: checking trim, wheel housing liners, side members and pipes/wiring for damage, and checking that they are properly secured	52
3.32	Roof insert: checking operation	52
3.33	Roof insert - sliding/tilting sunroof: cleaning and lubricating	53
3.34	Roof insert - panorama sunroof: checking, cleaning and lubricating	55
3.35	Water drains - sliding panoramic sunroof: checking	59
3.36	Door hinges with separate door arrester: cleaning and lubricating	60
3.37	Front lid arrester hook: lubricating	61



3.38	Windscreen/rear window washer system: checking spray pattern and adjusting if necessary	62
3.39	Wiper blades: checking for damage	63
3.40	Headlight washer system: checking operation	64
3.41	Headlights: checking for correct adjustment	65
3.42	Headlights and reversing lights, side lights, number plate lights, turn signals, hazard warning lights: checking operation	66
3.43	Luggage compartment lighting: checking operation	67
3.44	Luggage compartment: removing protective film and felt pieces	67
3.45	Glove box light, interior lighting and reading light: checking operation	67
3.46	Horn: checking operation	68
3.47	Passenger airbag: checking key switch on/off and setting to "on"	68
3.48	Owner's literature: checking that all documents are present	68
3.49	Service wallet: affixing vehicle data sticker	69
3.50	Service Schedule: entering Delivery Inspection	69
3.51	Seat belts: checking that retaining rivets are fitted, and checking locking action of automatic belt retractor	69
3.52	Vehicle interior: removing protective covers for seats and carpet	69
3.53	Vehicle interior: checking that it is clean and cleaning if necessary	69
3.54	Vehicle interior: removing any objects other than those protecting interior surfaces	70
3.55	Vehicle interior and exterior: checking for and documenting any damage	70
3.56	Instrument cluster: checking warning lamps	70
3.57	Warning triangle: checking availability	70
3.58	First-aid kit: checking and recording expiry date	70
3.59	Vehicle keys: checking operation and recording number of keys given to customer	71
3.60	Vehicle key: removing from ignition lock	71
3.61	Vehicle key(s), wheel covers and owner's literature: checking availability and recording number present	71
3.62	Sun visors: checking that they are folded up and folding up if necessary	71
3.63	Luggage compartment cover and sun blind: checking that they are rolled up and rolling up if necessary	72
3.64	Engine oil: draining	72
3.65	Engine oil: extracting	73
3.66	Engine oil: renewing oil filter	75
3.67	Engine oil: filling up	85
3.68	Engine oil: checking oil level and correcting if necessary	86
3.69	Poly V-belts for ancillaries: checking	88
3.70	Spark plugs: renewing	89
3.71	Hydraulic system: checking fluid level	102
3.72	Coolant level: checking (coolant level must reach at least top marking on coolant expansion tank)	103
3.73	Air cleaner: renewing filter element and cleaning housing	106
3.74	Plenum chamber and water drains: checking for dirt	117
3.75	Snow screen: cleaning	118
3.76	Dust and pollen filter: renewing	118
3.77	Fuel filter: renewing	119
3.78	Fuel tank: adding fuel additive	121
3.79	Reducing agent (AdBlue®): filling up tank completely	122
3.80	Vehicle doors: removing edge protection	126
3.81	Vehicle exterior: checking unprotected areas for dirt, and cleaning if necessary	126
3.82	Vehicle exterior: removing protective film	126
3.83	Vehicle cover: checking position and correcting if necessary	127
3.84	Vehicle cover: removing according to manufacturer's instructions	127
3.85	Paintwork, trims, side windows and wiper blades: checking cleanliness	127
3.86	Body: checking vehicle paintwork for damage and corrosion from below and with bonnet, rear lid and doors open	127
3.87	Vehicles parked outdoors: locking	127

3.88	Road test	127
3.89	Stock vehicles: observing measures specified in Maintenance table for stock vehicles (see "Before handing vehicle over to customer")	128
3.90	Accessories: installing	128
3.91	Checklist "Documentation of cleaning and care routine": checking that list is present	129
3.92	"Stock vehicle maintenance" checklist: signing and placing in vehicle wallet	129
3.93	Cleaning and care: checking that required measures have been carried out on time	129
3.94	Stock vehicle care management: deciding and recording date of next check	129
3.95	Rear final drive: changing gear oil	129
3.96	Rear final drive: changing ATF	129
3.97	Front final drive: changing gear oil	129
3.98	Display instruments: setting time and date	130
3.99	Manual gearbox/automatic gearbox: selecting 1st gear/park	130
3.100	Automatic gearbox (multitronic): changing ATF	130
3.101	Dual clutch gearbox (S tronic): changing ATF and renewing exchangeable ATF filter	130
3.102	Dual clutch gearbox (S tronic): changing ATF and renewing exchangeable ATF filter (if fitted)	130
3.103	Dual clutch gearbox (S tronic): changing gear oil and renewing oil filter	130
3.104	Interior mirror: calibrating compass	130
3.105	Poly V-belt for supercharger with charge air coolers: renewing	131
3.106	Poly V-belt for ancillaries: renewing	131
3.107	Poly V-belt for ancillaries and pulleys for coolant pump and power steering pump: renewing	131
3.108	Instrument cluster: resetting driver information system	131
3.109	Toothed belt for camshaft drive: renewing	131
3.110	Toothed belt for camshaft drive, and drive sprockets for camshaft, crankshaft and high-pressure pump: renewing	131
3.111	Toothed belt for camshaft drive and tensioning roller: renewing	132
3.112	Poly V-belt for ancillaries and pulley for power steering pump: renewing	132
4	Exhaust emissions test	133
4.1	Petrol engines: performing exhaust emissions test	133
4.2	Diesel engines: performing exhaust emissions test	140