

Contents

1	General information	1
1.1	--- Change history ---	1
1.2	General notes on Maintenance Manuals	1
1.3	Motor number	2
1.4	Vehicle identification number	2
1.5	Vehicle data sticker	3
1.6	Warnings for high-voltage vehicles	3
2	Preparations	7
2.1	Vehicle: raising	7
2.2	Noise insulation: removing and installing	8
2.3	Window regulators: activating automatic open/close function	12
2.4	Vehicle diagnostic tester: connecting	12
3	Maintenance	15
3.1	Event memory: reading out	18
3.2	ERA-GLONASS: checking emergency call function	19
3.3	Emergency call function: checking status LED (must be green before delivery to customer)	20
3.4	Service interval display: resetting service event	21
3.5	Diagnostic work: performing	21
3.6	Certificate of conformity (COC): checking COC is present in vehicle	22
3.7	Transport mode: deactivating	22
3.8	Shipping mode: deactivating	23
3.9	High-voltage components: checking for damage, leaks and secure seating	23
3.10	Battery: reading out status	24
3.11	Connecting vehicle diagnostic tester and sending diagnostic log	25
3.12	Static event memory: working through	25
3.13	Transport mode: checking activation and activating if necessary	26
3.14	Battery: checking electrolyte level	26
3.15	Battery: connecting stationary battery charging unit (min. 30A, charging voltage max. 14.8 V on IV characteristic curve)	28
3.16	Battery: determining and recording state of charge (SOC)	30
3.17	Mirror hanger indicating defective battery: renewing battery on affected vehicles	33
3.18	Connected gateway: renewing emergency battery	33
3.19	Service disconnect: checking for dirt and damage	34
3.20	Connectivity box: checking emergency battery	35
3.21	Brake fluid: changing	35
3.22	Brake fluid (vehicles older than 12 months): changing	40
3.23	Brake fluid: checking fluid level	40
3.24	Brake system: checking condition of brake hoses, and checking that caps are fitted on bleeder screws	41
3.25	Brake pads: checking thickness	41
3.26	Vehicle identification numbers: checking numbers match and are embossed properly	43
3.27	Brake discs: checking for surface rust and operating brakes to clean if necessary	43
3.28	Emergency flare: fitted so it is visible from driver's seat or driver's entrance	44
3.29	Parking brake: releasing	44
3.30	Tyres: checking condition, age and wear pattern, and checking and recording tread depth	44
3.31	Tyres: checking tyre pressures and adjusting if necessary	46
3.32	Tyres (except spare wheel): checking tyre pressures and adjusting to 3.5 bar if necessary	47
3.33	Tyre Pressure Loss Indicator: storing changed tyre pressures	47
3.34	Tyre repair kit: checking that set is complete, and checking and recording expiry date	48
3.35	Wheel bolts: tightening to specified torque	48
3.36	ECE towing bracket: checking (if fitted)	49
3.37	Air spring bellows on rear axle: checking for damage and making sure they are seated correctly	49



3.38	Axles (front and rear): checking components for play, secure attachment and damage, and checking protective boots	49
3.39	Suspension struts on front and rear axle: removing locking elements and correctly fitting bump stops	55
3.40	Electric drive motors, transmission unit, final drive and steering: checking for leaks and damage	58
3.41	Vehicle (from below): checking for damage	58
3.42	Underbody: checking trim, wheel housing liners, side members and pipes/wiring for damage, and checking that they are properly secured	59
3.43	Rear axle: checking that stone deflector on track control links is undamaged and securely fitted	59
3.44	Roof insert for panoramic sliding sunroof: checking operation	59
3.45	Water drains - panoramic sliding sunroof: checking	60
3.46	Door hinges with separate door arrester: cleaning and lubricating	61
3.47	Windscreen/rear window washer system: checking spray pattern and adjusting if necessary	62
3.48	Wiper blades: checking for damage	66
3.49	Headlight washer system: checking operation	67
3.50	Headlights: checking for correct adjustment	67
3.51	Headlights and reversing lights, brake lights, side lights, number plate lights, turn signals, hazard warning lights: checking operation	69
3.52	Luggage compartment lighting: checking operation	70
3.53	Luggage compartment: removing protective film and felt pieces	70
3.54	Glove compartment light, interior lighting and reading light: checking operation	70
3.55	Readiness for sending and receiving information: establishing	71
3.56	Horn: checking operation	71
3.57	Passenger airbag: checking key switch on/off and setting to "on"	72
3.58	High-voltage battery: charging	72
3.59	High-voltage battery: checking state of charge (recommendation: approx. 80% when delivering to customer)	73
3.60	High-voltage battery on electric vehicles and hybrid vehicles: determining and recording state of charge (SOC)	73
3.61	High-voltage battery on electric vehicles and hybrid vehicles: charging to a state of charge (SOC) of 3/4 according to manufacturer's instructions	73
3.62	Owner's literature: checking that all documents are present	74
3.63	Service wallet: affixing vehicle data sticker	74
3.64	Service Schedule: entering Delivery Inspection	74
3.65	Seat belts: checking retainers for latch plate and belt buckle, and checking locking action of automatic belt retractor	74
3.66	Vehicle interior: removing protective covers for seats and carpet	75
3.67	Vehicle interior: checking that it is clean and cleaning if necessary	75
3.68	Vehicle interior: removing any objects other than those protecting interior surfaces	75
3.69	Vehicle interior and exterior: checking for and documenting any damage	75
3.70	Instrument cluster: checking warning lamps	75
3.71	Warning triangle: checking availability	76
3.72	First-aid kit: checking and recording expiry date	76
3.73	Vehicle keys: checking operation and recording number of keys given to customer	76
3.74	Vehicle key: removing from ignition lock	77
3.75	Vehicle key(s), wheel covers and owner's literature: checking availability and recording number present	77
3.76	Sun visors: checking that they are folded up and folding up if necessary	77
3.77	Luggage compartment cover and sun blind: checking that they are rolled up and rolling up if necessary	77
3.78	Cooling system for high-voltage system: checking anti-freeze protection and coolant level, and correcting if necessary	77
3.79	Air quality package: renewing fragrance vials	82
3.80	Dust and pollen filter: renewing	83
3.81	Plenum chamber and water drains: checking for dirt	85
3.82	Seal on coolant expansion tank for high-voltage system: checking seal is present	87

3.83	Front axle: draining excess coolant	87
3.84	Rear final drive: renewing drip container	88
3.85	Rear final drive: draining excess coolant	89
3.86	Charging cable: checking that cable is present and complete	90
3.87	Charging system: checking that system is present and complete	90
3.88	Charging socket(s): checking for dirt and damage	91
3.89	Vehicle doors: removing edge protection	91
3.90	Vehicle exterior: checking unprotected areas for dirt, and cleaning if necessary	91
3.91	Vehicle exterior: removing protective film, if present	91
3.92	Vehicle: cleaning interior and exterior	92
3.93	Protective display films: removing if present	92
3.94	Vehicle cover: checking position and correcting if necessary	92
3.95	Vehicle cover: removing according to manufacturer's instructions	92
3.96	Paintwork, trims, side windows and wiper blades: checking cleanliness	92
3.97	Body: checking vehicle paintwork for damage and corrosion from below and with bonnet, rear lid and doors open	92
3.98	Vehicles parked outdoors: locking	92
3.99	Road test	92
3.100	Stock vehicles: observing measures specified in maintenance table for stock vehicles (see "Before handing vehicle over to customer")	93
3.101	Accessories: installing	93
3.102	"TQS – Documentation of the vehicle care" checklist: checking that list is present	94
3.103	"Stock vehicle maintenance" checklist: signing and placing in vehicle wallet	94
3.104	Cleaning and care: checking that required measures have been carried out on time	94
3.105	Stock vehicle care management: deciding and recording date of next check	94
3.106	Display instruments: setting time and date	94
3.107	Manual gearbox/automatic gearbox: selecting 1st gear/park	95
3.108	Interior mirror: calibrating compass	95
3.109	Instrument cluster: resetting driver information system	95
4	Periodic technical inspection (PTI)	96