



Contents

00 - Technical data	1
1 Safety notes	1
1.1 Safety precautions when working on the high-voltage system	1
1.2 Safety precautions when working in the vicinity of high-voltage components	2
2 Repair notes	3
2.1 General information	3
2.2 Contact corrosion	3
3 Hazard classification of high-voltage system	4
50 - Body - front	5
1 Lock carrier	5
1.1 Assembly overview – lock carrier	5
1.2 Removing and installing lock carrier	6
1.3 Moving to and back from service position	9
2 Wing	12
2.1 Assembly overview – wing	12
2.2 Removing and installing wing	12
3 Bulkhead	16
3.1 Assembly overview – bulkhead	16
3.2 Assembly overview – plenum chamber cover	17
3.3 Removing and installing plenum chamber cover	18
55 - Bonnet, rear lid	21
1 Bonnet	21
1.1 Assembly overview – bonnet	21
1.2 Assembly overview – Bowden cable	22
1.3 Removing and installing bonnet	23
1.4 Adjusting bonnet	24
1.5 Removing and installing rear lid lock	27
1.6 Removing and installing bonnet lock release lever	28
1.7 Removing and installing striker pin	30
1.8 Removing and installing hinges	30
1.9 Removing and installing insulation	31
1.10 Removing and installing gas strut	32
1.11 Releasing gas from gas strut	33
1.12 Removing and installing Bowden cable	33
2 Rear lid	35
2.1 Assembly overview – rear lid	35
2.2 Removing and installing rear lid	38
2.3 Adjusting rear lid	39
2.4 Removing and installing rear lid lock	42
2.5 Removing and installing actuating mechanism	44
2.6 Removing and installing hinges	48
2.7 Removing and installing striker pin	50
2.8 Removing and installing stop for adjusting buffer	52
2.9 Removing and installing rear lid seal	53
2.10 Removing and installing gas strut	53
2.11 Releasing gas from gas strut	56
2.12 Removing and installing rear lid power opening control unit J938	56
3 Tank flap unit	58
3.1 Assembly overview – tank flap unit	58
3.2 Removing and installing fuel tank flap	58



57 - Front doors, door components, central locking	61
1 Door	61
1.1 Assembly overview – door	61
1.2 Assembly overview - door seals	63
1.3 Removing and installing inner door seal	64
1.4 Removing and installing outer door seal	66
1.5 Removing and installing door	67
1.6 Adjusting door	69
1.7 Adjusting striker pin	72
1.8 Removing and installing door hinge	72
2 Door components	75
2.1 Assembly overview – assembly carrier	75
2.2 Assembly overview – window regulator	76
2.3 Assembly overview - door handle and door lock	77
2.4 Assembly overview - window guides and window slot seals	79
2.5 Removing and installing window regulator motor	80
2.6 Removing and installing window crank	81
2.7 Removing and installing assembly carrier	82
2.8 Removing and installing lock cylinder	84
2.9 Removing and installing door handle	86
2.10 Removing and installing door lock	88
2.11 Removing and installing mounting bracket	91
2.12 Removing and installing striker pin	91
3 Central locking	93
3.1 Overview of fitting locations - central locking system	93
3.2 Assembly overview - ignition key	96
3.3 Removing and installing ignition key battery	98
58 - Rear doors, door components	101
1 Sliding door	102
1.1 Assembly overview – sliding door	102
1.2 Removing and installing sliding door	115
1.3 Adjusting sliding door	119
1.4 Removing and installing door seal	125
1.5 Removing and installing door arrester	128
1.6 Removing and installing guide rail	130
1.7 Removing and installing guide rail cover	135
1.8 Removing and installing lower roller guide	137
1.9 Removing and installing centre roller guide	138
1.10 Removing and installing upper roller guide	143
1.11 Removing and installing door lock	144
1.12 Removing and installing striker pin	148
1.13 Removing and installing door handle	150
1.14 Removing and installing mounting bracket	151
1.15 Removing and installing sliding door opening motor	152
1.16 Removing and installing lock unit with remote control	155
1.17 Removing and installing contact strip in sliding door	157
1.18 Removing and installing right electric sliding door sender unit G481	159
2 Cab door - double cab	160
2.1 Assembly overview - cab door	160
2.2 Assembly overview - door handle and door lock	161
2.3 Removing and installing inner door seals	162
2.4 Removing and installing cab door	163
2.5 Adjusting cab door	165



2.6	Removing and installing striker pin	166
2.7	Removing and installing door hinge	167
2.8	Removing and installing door arrester	168
2.9	Removing and installing bumper carrier	168
2.10	Removing and installing door handle	169
2.11	Removing and installing mounting bracket	171
2.12	Removing and installing door lock	172
3	Rear wing doors	174
3.1	Assembly overview - wing door	174
3.2	Assembly overview - door arrester with opening angle of 250°	177
3.3	Assembly overview - door components	178
3.4	Removing and installing inner door seal	181
3.5	Removing and installing wing door seal	183
3.6	Removing and installing wing door	183
3.7	Adjusting wing door	185
3.8	Removing and installing striker pin, top	191
3.9	Removing and installing striker pin, bottom	192
3.10	Replacing wing door	193
3.11	Removing and installing wing door hinges	193
3.12	Removing and installing door arrester	195
3.13	Removing and installing upper lock	199
3.14	Removing and installing lower lock	200
3.15	Removing and installing second wing door release lever	202
3.16	Removing and installing childproof lock	204
3.17	Removing and installing latch carrier	204
3.18	Removing and installing interior door handle	205
3.19	Removing and installing exterior door handle	205
3.20	Removing and installing assembly carrier	206
3.21	Removing and installing handle trim	208
3.22	Removing and installing lock cylinder	209
60	Sunroof	210
1	Sliding sunroof	210
1.1	Assembly overview - sliding sunroof	210
1.2	Removing and installing glass panel	212
1.3	Adjusting sliding sunroof panel	213
1.4	Renewing panel seal	215
1.5	Removing and installing wind deflector	215
1.6	Removing and installing sliding headliner	216
1.7	Removing and installing sliding/tilting sunroof drive	216
1.8	Adjusting drive for sliding/tilting sunroof (zero position)	217
1.9	Removing and installing tilt mechanism for sliding sunroof	218
1.10	Removing and installing tilting/sliding sunroof carrier unit	218
1.11	Manual actuation	220
2	Water drain hoses	221
2.1	Cleaning water drain hoses	221
61	Convertible roof, hardtop, canopy	224
1	Convertible roof	224
1.1	Assembly overview	224
63	Bumpers	227
1	Bumper, front	227
1.1	Assembly overview – bumper cover	227
1.2	Removing and installing bumper cover	230
1.3	Repairing bumper cover	234



2	Bumper, rear	237
2.1	Assembly overview – bumper cover	237
2.2	Assembly overview – bumper carrier	240
2.3	Removing and installing bumper cover	241
2.4	Removing and installing bumper carrier	243
2.5	Repairing bumper cover	244
64	- Glazing	250
1	Repair notes	250
1.1	Minimum drying times for bonded windows	250
1.2	Window repair	250
1.3	Installation instructions for bonded windows	251
1.4	Preparing old undamaged windows for installing	253
1.5	Preparing new windows for installation	253
1.6	Preparing body flange for installing	255
1.7	Cleaning off excess adhesive	256
2	Windscreen	257
2.1	Assembly overview – windscreen	257
2.2	Removing and installing windscreen	260
3	Side windows	264
3.1	Assembly overview - side windows	264
3.2	Removing and installing rear side window	267
4	Sliding window	273
4.1	Assembly overview - sliding window	273
4.2	Removing and installing sliding window	273
5	Rear windscreen	280
5.1	Assembly overview – rear window	280
5.2	Removing and installing rear window	283
6	Door windows	291
6.1	Removing and installing front door window	291
6.2	Adjusting front door window	292
66	- Exterior equipment	293
1	Radiator grille and front trim	293
1.1	Assembly overview – radiator grille	293
1.2	Removing and installing radiator grille	293
2	Spoiler	295
2.1	Removing and installing spoilers	295
3	Mouldings, trims, extensions	300
3.1	Assembly overview - trim panel for B-pillar	300
3.2	Assembly overview - roof rail	301
3.3	Removing and installing trim strip	301
3.4	Removing and installing side member trim	308
3.5	Removing and installing A-pillar trim	310
3.6	Removing and installing roof rail	311
3.7	Renewing roof trim strip	313
4	Noise insulation	315
4.1	Assembly overview - noise insulation	315
4.2	Removing and installing noise insulation	315
5	Underbody cladding	318
5.1	Assembly overview – underbody cladding	318
5.2	Removing and installing underbody cladding	332
6	Trim film and protective film	337
6.1	Renewing decorative film and protective film	337



7	Exterior mirror	340
7.1	Assembly overview – exterior mirror	340
7.2	Removing and installing exterior mirror	343
7.3	Removing and installing mirror glass	345
7.4	Removing and installing mirror frame	347
7.5	Removing and installing mirror cover	354
7.6	Removing and installing mirror mounting	357
7.7	Removing and installing hinge cap	357
7.8	Removing and installing mirror adjustment motor V149 / V150	358
8	Wheel housing liner	361
8.1	Assembly overview – front wheel housing liner	361
8.2	Assembly overview – rear wheel housing liner	362
8.3	Removing and installing front wheel housing liner	362
8.4	Removing and installing rear wheel housing liner	364
9	Lettering and badges	366
9.1	Assembly overview – lettering and badges	366
9.2	Dimensions - lettering and badges on rear	369
9.3	General notes on renewing lettering and badges	373
9.4	Renewing lettering and badges at rear	375
9.5	Renewing lettering and badges on sides	376
9.6	Removing and installing lettering and badges for radiator grille	380
10	Special add-on parts	381
10.1	Assembly overview – special add-on parts	381
11	Platform floor body	382
11.1	Assembly overview - dropside	382
11.2	Assembly overview - platform floor and dropsides	383
11.3	Assembly overview - dropside underbody protection	387
11.4	Assembly overview - dropside wheel housing	388
11.5	Assembly overview - tank trim	389
12	Towing bracket	391
12.1	Assembly overview – towing bracket	391
12.2	Removing and installing towing bracket	394
13	Spare wheel bracket	401
13.1	Assembly overview - spare wheel bracket	401
14	Mudflap	403
14.1	Assembly overview – mudflap	403
15	Heat shields	406
15.1	Overview of fitting locations - heat shields	406
15.2	Removing and installing front heat shield	408
15.3	Removing and installing centre heat shield	409
15.4	Removing and installing rear heat shield	410